

Welcome to STN International! Enter x:x

**LOGINID:** sssptaul125rxt

**PASSWORD:**

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* \* \* \* \* \* \* \* \* \* \* Welcome to STN International \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 Feb 24 PCTGEN now available on STN  
NEWS 4 Feb 24 TEMA now available on STN  
NEWS 5 Feb 26 NTIS now allows simultaneous left and right truncation  
NEWS 6 Feb 26 PCTFULL now contains images  
NEWS 7 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results  
NEWS 8 Mar 24 PATDPAFULL now available on STN  
NEWS 9 Mar 24 Additional information for trade-named substances without structures available in REGISTRY  
NEWS 10 Apr 11 Display formats in DGENE enhanced  
NEWS 11 Apr 14 MEDLINE Reload  
NEWS 12 Apr 17 Polymer searching in REGISTRY enhanced  
NEWS 13 Jun 13 Indexing from 1947 to 1956 added to records in CA/CAPLUS  
NEWS 14 Apr 21 New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX  
NEWS 15 Apr 28 RDISCLOSURE now available on STN  
NEWS 16 May 05 Pharmacokinetic information and systematic chemical names added to PHAR  
NEWS 17 May 15 MEDLINE file segment of TOXCENTER reloaded  
NEWS 18 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated  
NEWS 19 May 19 Simultaneous left and right truncation added to WSCA  
NEWS 20 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation  
NEWS 21 Jun 06 Simultaneous left and right truncation added to CBNB  
NEWS 22 Jun 06 PASCAL enhanced with additional data  
NEWS 23 Jun 20 2003 edition of the FSTA Thesaurus is now available  
NEWS 24 Jun 25 HSDB has been reloaded  
NEWS 25 Jul 16 Data from 1960-1976 added to RDISCLOSURE  
NEWS 26 Jul 21 Identification of STN records implemented  
NEWS 27 Jul 21 Polymer class term count added to REGISTRY  
NEWS 28 Jul 22 INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available  
  
NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0b(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation

of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 AUG 2003 HIGHEST RN 560059-45-2  
DICTIONARY FILE UPDATES: 3 AUG 2003 HIGHEST RN 560059-45-2

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

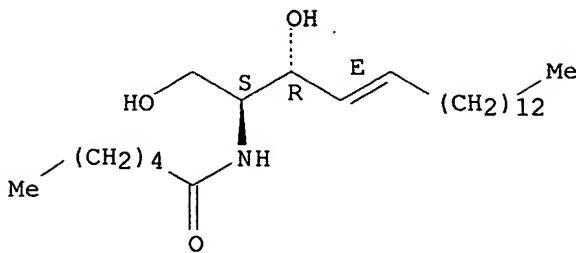
Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

```
=> s farnesol  
L1      75 FARNESOL  
  
=> s hexanoyl sphingosine  
      4609 HEXANOYL  
      365 SPHINGOSINE  
L2      1 HEXANOYL SPHINGOSINE  
          (HEXANOYL(W) SPHINGOSINE)
```

=> d 12

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 124753-97-5 REGISTRY  
CN Hexanamide, N-[ (1S,2R,3E)-2-hydroxy-1-(hydroxymethyl)-3-heptadecenyl]-  
(9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Hexanamide, N-[2-hydroxy-1-(hydroxymethyl)-3-heptadecenyl]-,  
[R-[R\*,S\*-(E)]]-  
OTHER NAMES:  
CN C6-Ceramide  
CN N-Caproyl-C18-sphingosine  
CN **N-Hexanoylsphingosine**  
FS STEREOSEARCH  
MF C24 H47 N O3  
SR CA  
LC STN Files: BIOSIS, CA, CAPLUS, CHEMCATS, CSCHEM, TOXCENTER, USPATFULLI

Absolute stereochemistry.  
Double bond geometry as shown.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

120 REFERENCES IN FILE CA (1947 TO DATE)  
123 REFERENCES IN FILE CAPLUS (1947 TO DATE)

=> s oleoyl betaine  
672 OLEOYL  
838 BETAINE  
L3 0 OLEOYL BETAINE  
(OLEOYL(W)BETAINE)

=> s ursolic acid  
56 URSOLIC  
6009361 ACID  
L4 55 URSOLIC ACID  
(URSOLIC(W)ACID)

=> d 14 53 54 55

L4 ANSWER 53 OF 55 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 990-89-6 REGISTRY  
CN Urs-12-en-28-oic acid, 3-(acetyloxy)-, methyl ester, (3.beta.)- (9CI) (CA  
INDEX NAME)

OTHER CA INDEX NAMES:

CN Urs-12-en-28-oic acid, 3.beta.-hydroxy-, methyl ester, acetate (6CI, 7CI,  
8CI)

OTHER NAMES:

CN 3-O-Acetylursolic acid methyl ester  
CN Methyl 3-O-acetylursolate  
CN Methyl 3.beta.-acetoxylurs-12-en-28-oate  
CN Methyl ursolate acetate

CN Ursolic acid acetate methyl ester  
CN Ursolic acid methyl ester acetate

FS STEREOSEARCH

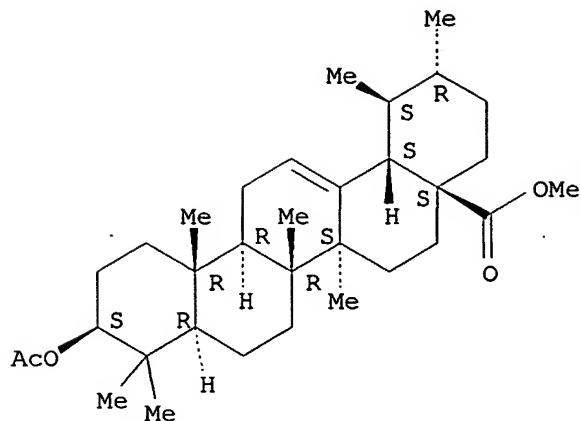
DR 6159-63-3

MF C33 H52 O4

LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT, NAPRALERT, SPECINFO,  
TOXCENTER

(\*File contains numerically searchable property data)

Absolute stereochemistry.

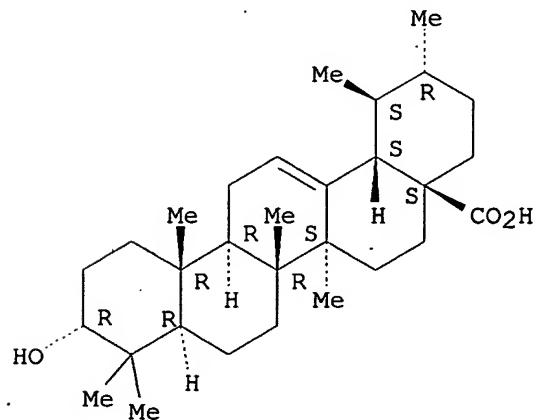


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

74 REFERENCES IN FILE CA (1947 TO DATE)  
 74 REFERENCES IN FILE CAPLUS (1947 TO DATE)  
 19 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L4 ANSWER 54 OF 55 REGISTRY COPYRIGHT 2003 ACS on STN  
 RN 989-30-0 REGISTRY  
 CN Urs-12-en-28-oic acid, 3-hydroxy-, (3. $\alpha$ .)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Urs-12-en-28-oic acid, 3. $\alpha$ .-hydroxy- (8CI)  
 OTHER NAMES:  
 CN . $\alpha$ .-Ursolic acid  
 CN 3-epi-Ursolic acid  
 CN 3-Epiursolic acid  
 CN Morinoursolic acid A  
 FS STEREOSEARCH  
 MF C30 H48 O3  
 LC STN Files: BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT,  
 CHEMINFORMRX, NAPRALERT, TOXCENTER  
 (\*File contains numerically searchable property data)

Absolute stereochemistry.

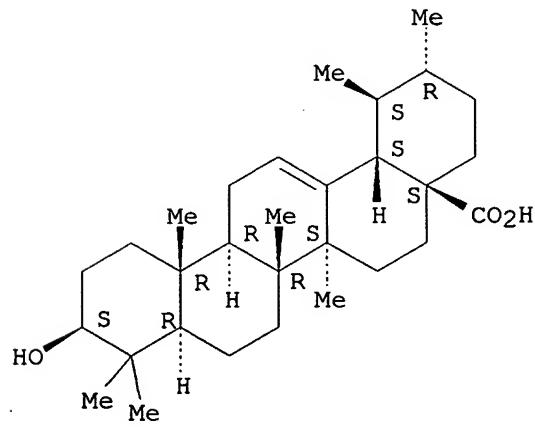


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

27 REFERENCES IN FILE CA (1947 TO DATE)  
27 REFERENCES IN FILE CAPLUS (1947 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L4 ANSWER 55 OF 55 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 77-52-1 REGISTRY  
CN Urs-12-en-28-oic acid, 3-hydroxy-, (3.beta.)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Urs-12-en-28-oic acid, 3.beta.-hydroxy- (8CI)  
OTHER NAMES:  
CN (+)-Ursolic acid  
CN .beta.-Ursolic acid  
CN 3.beta.-Hydroxyurs-12-en-28-oic acid  
CN Bungeolic acid  
CN Malol  
CN Merotaine  
CN Prunol  
CN Ursolic acid  
CN Urson  
FS STEREOSEARCH  
DR 209545-05-1  
MF C30 H48 O3  
CI COM  
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*,  
BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABAB, CANCERLIT, CAOLD, CAPLUS,  
CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DDFU, DETHERM\*,  
DRUGU, EMBASE, HODOC\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*,  
NAPRALERT, PROMT, RTECS\*, SPECINFO, TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry. Rotation (+).



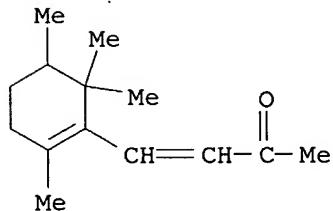
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1703 REFERENCES IN FILE CA (1947 TO DATE)  
28 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1704 REFERENCES IN FILE CAPLUS (1947 TO DATE)  
18 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s ionone  
L5 165 IONONE

=> d 15 163 164 165

L5 ANSWER 163 OF 165 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 79-70-9 REGISTRY  
CN 3-Buten-2-one, 4-(2,5,6,6-tetramethyl-1-cyclohexen-1-yl)- (7CI, 8CI, 9CI)  
(CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN .beta.-Ionone, 6-methyl- (6CI)  
OTHER NAMES:  
CN .beta.-Irone  
CN 4-(2,5,6,6-Tetramethyl-1-cyclohexen-1-yl)-3-buten-2-one  
CN 6-Methyl-.beta.-ionone  
FS 3D CONCORD  
MF C14 H22 O  
LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,  
CHEMINFORMRX, CHEMLIST, CSCHEM, HODOC\*, IFICDB, IFIUDB, MRCK\*,  
NAPRALERT, SPECINFO, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

97 REFERENCES IN FILE CA (1947 TO DATE)  
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
97 REFERENCES IN FILE CAPLUS (1947 TO DATE)  
13 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

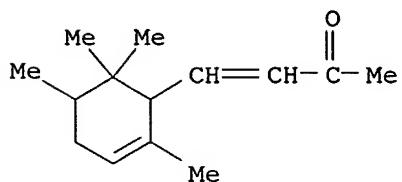
L5 ANSWER 164 OF 165 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 79-69-6 REGISTRY  
CN 3-Buten-2-one, 4-(2,5,6,6-tetramethyl-2-cyclohexen-1-yl)- (7CI, 9CI) (CA  
INDEX NAME)  
OTHER CA INDEX NAMES:  
CN .alpha.-Ionone, methyl- (6CI)  
OTHER NAMES:  
CN .alpha.-Ionone, 6-methyl-  
CN .alpha.-Irone  
CN 4-(2,5,6,6-Tetramethyl-2-cyclohexen-1-yl)-3-butene-2-one  
CN 6-Methyl-.alpha.-ionone  
CN Methyl-.alpha.-ionone  
FS 3D CONCORD  
DR 54082-69-8  
MF C14 H22 O  
LC STN Files: AGRICOLA, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS,  
CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, HODOC\*,

IFICDB, IFIPAT, IFIUDB, MRCK\*, NAPRALERT, PROMT, RTECS\*, SPECINFO,  
TOXCENTER, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

195 REFERENCES IN FILE CA (1947 TO DATE)

5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

195 REFERENCES IN FILE CAPLUS (1947 TO DATE)

19 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L5 ANSWER 165 OF 165 REGISTRY COPYRIGHT 2003 ACS on STN

RN 79-68-5 REGISTRY

CN 3-Buten-2-one, 4-(2,2,3-trimethyl-6-methylenecyclohexyl)- (7CI, 8CI, 9CI)  
(CA INDEX NAME)

OTHER NAMES:

CN .gamma.-Irone

CN 4-(2,2,3-Trimethyl-6-methylenecyclohexyl)-3-buten-2-one

CN 6-Methyl-.gamma.-ionone

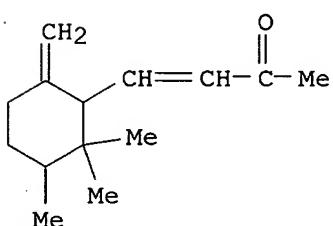
FS 3D CONCORD

MF C14 H22 O

LC STN Files: AGRICOLA, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS,  
CHEMLIST, IFICDB, IFIUDB, MRCK\*, NAPRALERT, SPECINFO, USPATFULL  
(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

41 REFERENCES IN FILE CA (1947 TO DATE)

2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

41 REFERENCES IN FILE CAPLUS (1947 TO DATE)

3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s utrect-2

0 UTRECT

15555889 2

L6 0 UTRECT-2  
(UTRECT (W) 2)

=> s utrecht 2  
31 UTRECHT  
15555889 2  
L7 1 UTRECHT 2  
(UTRECHT (W) 2)

=> d 17

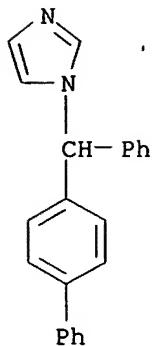
L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 386704-13-8 REGISTRY  
CN Utrecht 2 (9CI) (CA INDEX NAME)  
ENTE Unspecified fatty acid amides surfactant  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
6 REFERENCES IN FILE CA (1947 TO DATE)  
6 REFERENCES IN FILE CAPLUS (1947 TO DATE)

=> s bifonazole  
L8 5 BIFONAZOLE

=> d 18 5

L8 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 60628-96-8 REGISTRY  
CN 1H-Imidazole, 1-([1,1'-biphenyl]-4-ylphenylmethyl)- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN (.+-.)-Bifonazole  
CN A-One-L  
CN Amycor  
CN Azolmen  
CN BAY-h 4502  
CN Bedriol  
CN Bifazol  
CN Bifonazole  
CN Mycospor  
CN Mycosporan  
CN Trifonazole  
DR 162824-44-4  
MF C22 H18 N2  
CI COM  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST,  
CIN, DDFU, DRUGPAT, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,  
MRCK\*, PHAR, PHARMASEARCH, PROMT, RTECS\*, SYNTHLINE, TOXCENTER, USAN,  
USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*, WHO  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

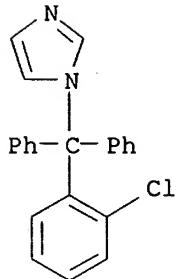
313 REFERENCES IN FILE CA (1947 TO DATE)  
 7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 314 REFERENCES IN FILE CAPLUS (1947 TO DATE)

=> s clotrimazole  
 L9                6 CLOTRIMAZOLE

=> d 19 6

L9    ANSWER 6 OF 6    REGISTRY    COPYRIGHT 2003 ACS on STN  
 RN    23593-75-1    REGISTRY  
 CN    1H-Imidazole, 1-[ (2-chlorophenyl)diphenylmethyl]- (9CI)    (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN    Imidazole, 1-(o-chloro-.alpha.,.alpha.-diphenylbenzyl)- (8CI)  
 OTHER NAMES:  
 CN    1-(o-Chlorophenyldiphenylmethyl)imidazole  
 CN    1-(o-Chlorotriptyl)imidazole  
 CN    1-[ (2-Chlorophenyl)diphenylmethyl]-1H-imidazole  
 CN    BAY 5097  
 CN    BAY 5907  
 CN    BAY-B 5097  
 CN    Canesten  
 CN    Canifug  
 CN    **Clotrimazole**  
 CN    Desamix F  
 CN    Diphenyl(2-chlorophenyl)(1-imidazolyl)methane  
 CN    Empecid  
 CN    Femcare  
 CN    Gyne-Lotrimin  
 CN    Lotrimin  
 CN    Lotrimin AF Cream  
 CN    Lotrimin AF Solution  
 CN    Lotrimin Jock-Itch Cream  
 CN    Lotrimin Jock-Itch Lotion  
 CN    Monobaycuten  
 CN    Mycelex  
 CN    Mycelex 7  
 CN    Mycelex G  
 CN    Mycelex OTC  
 CN    Mycelex Troche  
 CN    Mycofug  
 CN    Mycosporin  
 CN    NSC 257473  
 CN    Pedisafe

CN Rimazole  
 CN Tibatin  
 CN Trimysten  
 CN Veltrim  
 DR 117829-71-7  
 MF C22 H17 Cl N2  
 CI COM  
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*,  
     BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT,  
     CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUGNL,  
     DRUGPAT, DRUGU, DRUGUPDATES, EMBASE, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA,  
     MEDLINE, MRCK\*, MSDS-OHS, NIOSHTIC, PHAR, PHARMASEARCH, PROMT, RTECS\*,  
     SPECINFO, TOXCENTER, USAN, USPAT2, USPATFULL, VETU  
     (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, WHO  
     (\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1449 REFERENCES IN FILE CA (1947 TO DATE)  
 23 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 1450 REFERENCES IN FILE CAPLUS (1947 TO DATE)

=> d econazole

'ECONAZOLE' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG	- RN
SAM	- Index Name, MF, and structure - no RN
FIDE	- All substance data, except sequence data
IDE	- FIDE, but only 50 names
SQIDE	- IDE, plus sequence data
SQIDE3	- Same as SQIDE, but 3-letter amino acid codes are used
SQD	- Protein sequence data, includes RN
SQD3	- Same as SQD, but 3-letter amino acid codes are used
SQN	- Protein sequence name information, includes RN
CALC	- Table of calculated properties
EPROP	- Table of experimental properties
PROP	- EPROP and CALC

Any CA File format may be combined with any substance format to

obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract  
APPS -- Application and Priority Information  
BIB -- CA Accession Number, plus Bibliographic Data  
CAN -- CA Accession Number  
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)  
IND -- Index Data  
IPC -- International Patent Classification  
PATS -- PI, SO  
STD -- BIB, IPC, and NCL  
  
IABS -- ABS, indented, with text labels  
IBIB -- BIB, indented, with text labels  
ISTD -- STD format, indented  
  
OBIB ----- AN, plus Bibliographic Data (original)  
OIBIB ----- OBIB, indented with text labels  
  
SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.  
HELP FORMATS -- To see detailed descriptions of the predefined formats.  
ENTER DISPLAY FORMAT (IDE):bib  
'BIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN  
SAM - Index Name, MF, and structure - no RN  
FIDE - All substance data, except sequence data  
IDE - FIDE, but only 50 names  
SQIDE - IDE, plus sequence data  
SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used  
SQD - Protein sequence data, includes RN  
SQD3 - Same as SQD, but 3-letter amino acid codes are used  
SQN - Protein sequence name information, includes RN  
  
CALC - Table of calculated properties  
EPROP - Table of experimental properties  
PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract

APPS -- Application and Priority Information  
BIB -- CA Accession Number, plus Bibliographic Data  
CAN -- CA Accession Number  
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)  
IND -- Index Data  
IPC -- International Patent Classification  
PATS -- PI, SO  
STD -- BIB, IPC, and NCL

IABS --ABS, indented, with text labels  
IBIB -- BIB, indented, with text labels  
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)  
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.  
HELP FORMATS -- To see detailed descriptions of the predefined formats.  
ENTER DISPLAY FORMAT (IDE):ide

L9 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 125695-30-9 REGISTRY  
CN 1H-Imidazole, 1-[ (2-chlorophenyl)diphenylmethyl]-, mixt. with silver(1+) nitrate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Nitric acid silver(1+) salt, mixt. contg. (9CI)

OTHER NAMES:

CN Clotrimazole-silver nitrate mixt.

MF C22 H17 Cl N2 . Ag . H N O3

CI MXS

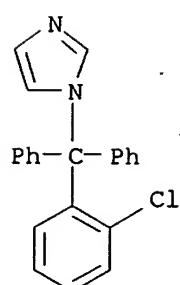
SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

CM 1

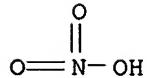
CRN 23593-75-1

CMF C22 H17 Cl N2



CM 2

CRN 7761-88-8 (7697-37-2)  
CMF Ag . H N O3



Ag(I)

1 REFERENCES IN FILE CA (1947 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

=> ketoconazole

KETOCONAZOLE IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> s ketoconazole

L10 5 KETOCONAZOLE

=> d 110 5

L10 ANSWER 5 OF 5 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 65277-42-1 REGISTRY

CN Piperazine, 1-acetyl-4-[4-[(2R,4S)-2-(2,4-dichlorophenyl)-2-(1H-imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]-, rel- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Piperazine, 1-acetyl-4-[4-[(2-(2,4-dichlorophenyl)-2-(1H-imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]-, cis-

OTHER NAMES:

CN (.+-.)-Ketoconazole

CN 34: PN: US20030109453 SEQID: 33 claimed sequence

CN Fungarest

CN Fungoral

CN Ketoconazole

CN Ketoderm

CN Ketoisdin

CN Nizoral

CN Nizral

CN Orifungal M

CN Panfungol

CN R 41400

FS STEREOSEARCH

DR 72093-26-6

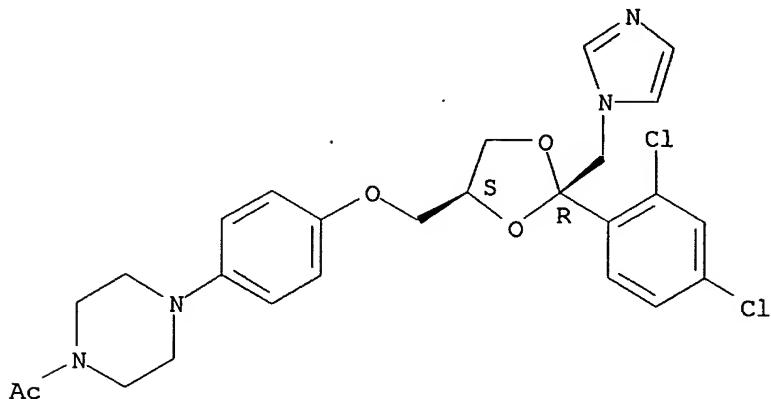
MF C26 H28 Cl2 N4 O4

CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DIOGENES, DRUGPAT, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NIOSHTIC, PHAR, PHARMASEARCH, PROMT, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, VETU

(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*, WHO  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Relative stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2375 REFERENCES IN FILE CA (1947 TO DATE)  
40 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
2377 REFERENCES IN FILE CAPLUS (1947 TO DATE)

=> s miconazole  
L11 15 MICONAZOLE

=> d 111 15

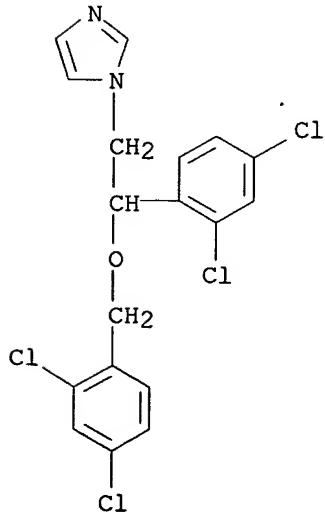
L11 ANSWER 15 OF 15 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 22832-87-7 REGISTRY  
CN 1H-Imidazole, 1-[2-(2,4-dichlorophenyl)-2-[(2,4-dichlorophenyl)methoxy]ethyl]-, mononitrate (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Imidazole, 1-[2,4-dichloro-.beta.-[(2,4-dichlorobenzyl)oxygen]phenethyl]-, mononitrate (8CI)  
OTHER NAMES:  
CN (.+-.)-Miconazole nitrate  
CN Aflorix  
CN Albistat  
CN Andergin  
CN Antifungal Cream  
CN Brentan  
CN Conoderm  
CN Conofite  
CN Daktacort  
CN Daktar  
CN Daktarin  
CN Daktarin talc  
CN Deralbine  
CN Dermonistat  
CN Ecobi  
CN Epi-Monistat  
CN Florid  
CN Fungiderm  
CN Fungisdin

CN Gyno-Daktarin  
 CN Gyno-Monistat  
 CN Hi-Pick  
 CN Loptrimin AF Jock-Itch Powder Aerosol  
 CN Lotrimin AF Powder  
 CN Lotrimin AF Powder Aerosol  
 CN Lotrimin AF Spray Liquid  
 CN Micatin  
 CN Miconal  
 CN **Miconazole nitrate**  
 CN Micotef  
 CN Monistat  
 CN Monistat Cream and Suppositories  
 CN Monistat-Derm  
 CN NSC 169434  
 CN Prilagin  
 CN R 14889  
 CN Vodol  
 CN Zeasorb AF  
 CN [2,4-Dichloro-.beta.-(2,4-dichlorobenzyl)oxy]phenethyl]imidazole nitrate  
 DR 75319-48-1  
 MF C18 H14 Cl4 N2 O . H N O3  
 CI COM  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS,  
     BIOTECHNO, CA, CABA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX,  
     CHEMLIST, CIN, CSCHEM, DIOGENES, DRUGPAT, EMBASE, IFICDB, IFIPAT,  
     IFIUDB, IPA, MEDLINE, MRCK\*, PHAR, PHARMASEARCH, PROMT, RTECS\*,  
     TOXCENTER, USAN, USPAT2, USPATFULL  
     (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*  
     (\*\*Enter CHEMLIST File for up-to-date regulatory information)

CM 1

CRN 22916-47-8

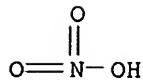
CMF C18 H14 Cl4 N2 O



CM 2

CRN 7697-37-2

CMF H N O3



301 REFERENCES IN FILE CA (1947 TO DATE)  
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
302 REFERENCES IN FILE CAPLUS (1947 TO DATE)

=> s daizedein  
L12 0 DAIZEDEIN

=> s daidzein  
L13 51 DAIDZEIN

=> d 113 51

L13 ANSWER 51 OF 51 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 485-63-2 REGISTRY  
CN 4H-1-Benzopyran-4-one, 3-(3,4-dihydroxyphenyl)-7-hydroxy- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Isoflavone, 3',4',7-trihydroxy- (7CI, 8CI)

OTHER NAMES:

CN 3',4',7-Trihydroxyisoflavone

CN 3'-Hydroxydaidzein

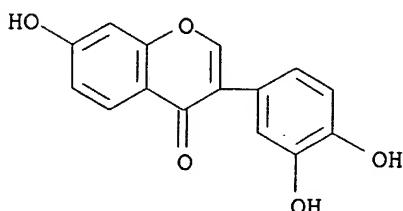
CN 7,3',4'-Trihydroxyisoflavone

FS 3D CONCORD

MF C15 H10 O5

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CSCHEM, EMBASE, MEDLINE, NAPRALERT, TOXCENTER

(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

35 REFERENCES IN FILE CA (1947 TO DATE)  
35 REFERENCES IN FILE CAPLUS (1947 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

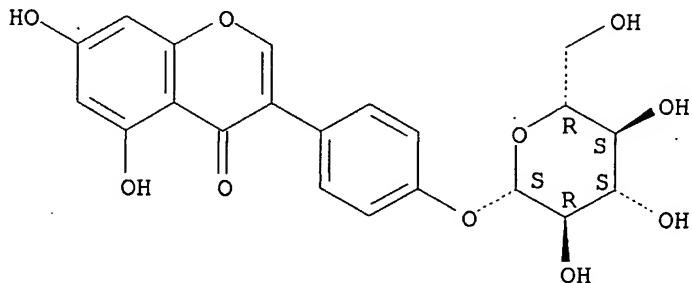
=> s genistein  
L14 75 GENISTEIN

=> s 114 75  
MISSING OPERATOR

=> d 114 75

L14 ANSWER 75 OF 75 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 152-95-4 REGISTRY  
CN 4H-1-Benzopyran-4-one, 3-[4-(.beta.-D-glucopyranosyloxy)phenyl]-5,7-dihydroxy- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Sophoricoside (6CI, 7CI, 8CI)  
OTHER NAMES:  
CN 4',5,7-Trihydroxyisoflavone 4'-.beta.-D-glucopyranoside  
CN 5',7'-Dihydroxy-4'-glucosyloxyisoflavone  
CN Genistein 4'-O-glucoside  
CN Genistein, 4'-.beta.-D-glucopyranoside  
FS STEREOSEARCH  
DR 100455-45-6  
MF C21 H20 O10  
LC STN Files: AGRICOLA, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CHEMCATS, DDFU, DRUGU, HODOC\*, MRCK\*, NAPRALERT, TOXCENTER, USPAT2, USPATFULL (\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

65 REFERENCES IN FILE CA (1947 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
65 REFERENCES IN FILE CAPLUS (1947 TO DATE)  
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

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L2	1	S HEXANOYL SPHINGOSINE
L3	0	S OLEOYL BETAINE
L4	55	S URSOLIC ACID
L5	165	S IONONE
L6	0	S UTRECT-2
L7	1	S UTRECHT 2
L8	5	S BIFONAZOLE
L9	6	S CLOTRIMAZOLE
L10	5	S KETOCONAZOLE
L11	15	S MICONAZOLE
L12	0	S DAIZEDEIN
L13	51	S DAIDZEIN
L14	75	S GENISTEIN

=> s phytoestragen  
L15 0 PHYTOESTRAGEN

=> e phytoestrogen  
E1 4 PHYTOESTR/BI  
E2 1 PHYTOESTRIN/BI  
E3 3 --> PHYTOESTROGEN/BI  
E4 1 PHYTOFERMENTANS/BI  
E5 1 PHYTOFERRO/BI  
E6 1 PHYTOFERROLACTO/BI  
E7 1 PHYTOFERROLACTOL/BI  
E8 1 PHYTOFLAVIN/BI  
E9 7 PHYTOFLU/BI  
E10 1 PHYTOFLUEN/BI  
E11 7 PHYTOFLUENE/BI  
E12 1 PHYTOFLUENOL/BI

=> s e3  
L16 3 PHYTOESTROGEN/BI

=> d 115 1-3  
L15 HAS NO ANSWERS  
L15 0 SEA FILE=REGISTRY PHYTOESTRAGEN

=> d 116 1-3

L16 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 351217-53-3 REGISTRY  
CN Spring Valley Phytoestrogen Complex (9CI) (CA INDEX NAME)  
ENTE A commercial isoflavone-containing food supplement (NaturPharma, American Fork, UT)  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
1 REFERENCES IN FILE CA (1947 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

L16 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 351217-07-7 REGISTRY  
CN Solaray PhytoEstrogen (9CI) (CA INDEX NAME)  
ENTE A commercial isoflavone-containing food supplement (Nutraceutical Corp., for Solaray, Inc., Park City, UT)  
MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
1 REFERENCES IN FILE CA (1947 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

L16 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 351216-82-5 REGISTRY  
CN Nature's Herbs Phytoestrogen Power (9CI) (CA INDEX NAME)  
ENTE A commercial isoflavone-containing food supplement (Alvita, American Fork, UT)  
MF Unspecified

CI MAN  
SR CA  
LC STN Files: CA, CAPLUS

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

1 REFERENCES IN FILE CA (1947 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1947 TO DATE)

=> file ca  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
FULL ESTIMATED COST ENTRY SESSION  
126.06 126.27

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE COVERS 1907 - 31 Jul 2003 VOL 139 ISS 6  
FILE LAST UPDATED: 31 Jul 2003 (20030731/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s retinol  
L17 10486 RETINOL  
  
=> s glutamase transaminase  
10 GLUTAMASE  
19649 TRANSAMINASE  
L18 0 GLUTAMASE TRANSAMINASE  
(GLUTAMASE (W) TRANSAMINASE)  
  
=> s glutamate transaminase  
84484 GLUTAMATE  
19649 TRANSAMINASE  
L19 189 GLUTAMATE TRANSAMINASE  
(GLUTAMATE (W) TRANSAMINASE)  
  
=> s l19 and l17  
L20 0 L19 AND L17  
  
=> s transaminase  
L21 19649 TRANSAMINASE  
  
=> d l21 and l17  
L17 IS NOT VALID HERE  
For an explanation, enter "HELP DISPLAY".

=> s 121 and 117

L22 24 L21 AND L17

=> d 122 1-24

L22 ANSWER 1 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 139:20692 CA  
TI A Novel Nontruncating APOB Gene Mutation, R463W, Causes Familial Hypobetalipoproteinemia  
AU Burnett, John R.; Shan, Jing; Miskie, Brooke A.; Whitfield, Amanda J.; Yuan, Jane; Tran, Khai; McKnight, C. James; Hegele, Robert A.; Yao, Zemin  
CS Royal Perth Hospital and Department of Pathology, Department of Core Clinical Pathology and Biochemistry, University of Western Australia, Perth, WA 6847, Australia  
SO Journal of Biological Chemistry (2003), 278(15), 13442-13452  
CODEN: JBCHA3; ISSN: 0021-9258  
PB American Society for Biochemistry and Molecular Biology  
DT Journal  
LA English  
RE.CNT 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 2 OF 24 CA COPYRIGHT 2003 ACS on STN

AN 138:20443 CA  
TI Endocrine disruptor screening using DNA chips of endocrine disruptor-responsive genes  
IN Kondo, Akihiro; Takeda, Takeshi; Mizutani, Shigetoshi; Tsujimoto, Yoshimasa; Takashima, Ryokichi; Enoki, Yuki; Kato, Ikunoshin  
PA Takara Bio Inc., Japan  
SO Jpn. Kokai Tokkyo Koho, 386 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002355079	A2	20021210	JP 2002-69354	20020313
PRAI JP 2001-73183	A	20010314		
JP 2001-74993	A	20010315		
JP 2001-102519	A	20010330		

L22 ANSWER 3 OF 24 CA COPYRIGHT 2003 ACS on STN

AN 137:324785 CA  
TI Serum antioxidants and subsequent mortality rates of all causes or cancer among rural Japanese inhabitants  
AU Ito, Yoshinori; Suzuki, Koji; Suzuki, Sadao; Sasaki, Ryuichiro; Otani, Motohiko; Aoki, Kunio  
CS Department of Public Health, Fujita Health University School of Health Sciences, Toyoake, Japan  
SO International Journal for Vitamin and Nutrition Research (2002), 72(4), 237-250  
CODEN: IJVNAP; ISSN: 0300-9831  
PB Hogrefe & Huber Publishers  
DT Journal  
LA English

RE.CNT 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 4 OF 24 CA COPYRIGHT 2003 ACS on STN

AN 137:246924 CA

TI Plant sterol ester-enriched spread lowers plasma total and LDL cholesterol in children with familial hypercholesterolemia

AU Amundsen, Agot L.; Ose, Leiv; Nenseter, Marit S.; Ntanios, Fady Y.  
CS Lipid Clinic, National Hospital, Oslo, Norway  
SO American Journal of Clinical Nutrition (2002), 76(2), 338-344  
CODEN: AJCNAC; ISSN: 0002-9165  
PB American Society for Clinical Nutrition  
DT Journal  
LA English

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 5 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 136:354632 CA  
TI Effects of vitamin E and vitamin A supplementation on performance, thyroid status and serum concentrations of some metabolites and minerals in broilers reared under heat stress (32.degree.C)  
AU Sahin, N.; Sahin, K.; Kucuk, O.  
CS Veterinary Control and Research Institute of Ministry of Agriculture, Elazig, Turk.  
SO Veterinarni Medicina (Prague, Czech Republic) (2001), 46(11-12), 286-292  
CODEN: VTMDAR; ISSN: 0375-8427  
PB Ustav Zemedelskych a Potravinarskych Informaci  
DT Journal  
LA English

RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 6 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 135:314399 CA  
TI Detection of variations in the DNA methylation profile of genes in the determining the risk of disease  
IN Berlin, Kurt; Piepenbrock, Christian; Olek, Alexander  
PA Epigenomics A.-G., Germany  
SO PCT Int. Appl., 636 pp.  
CODEN: PIXXD2  
DT Patent  
LA German  
FAN.CNT 68

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001077373	A2	20011018	WO 2001-DE1486	20010406
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
	DE 10019058	A1	20011220	DE 2000-10019058	20000406
	WO 2001077373	A2	20011018	WO 2001-XA1486	20010406
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
	WO 2001077373	A2	20011018	WO 2001-XB1486	20010406
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CR, CU, CZ, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,  
ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU,  
LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD,  
SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA,  
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CF, CG, CI, CM, GA, GW, ML, MR, NE, SN, TD, TG  
EP 1274865 A2 20030115 EP 2001-953936 20010406  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
EP 1278892 A1 20030129 EP 2001-940158 20010406  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR  
PRAI DE 2000-10019058 A 20000406  
DE 2000-10019173 A 20000407  
DE 2000-10032529 A 20000630  
DE 2000-10043826 A 20000901  
WO 2001-DE1486 W 20010406  
WO 2001-EP3969 W 20010406

L22 ANSWER 7 OF 24 CA COPYRIGHT 2003 ACS on STN

AN 133:176647 CA

TI Nutritional effects of oral zinc supplementation in cirrhosis  
AU Bianchi, G. P.; Marchesini, G.; Brizi, Mara; Rossi, Brunella; Forlani, G.;  
Boni, Paola; Melchionda, N.; Thomaseth, K.; Pacini, G.  
CS Dipartimento di Medicina Interna and Cattedra di Malattie del Metabolismo,  
Universita di Bologna, Bologna, I-40138, Italy  
SO Nutrition Research (New York) (2000), 20(8), 1079-1089  
CODEN: NTRSDC; ISSN: 0271-5317  
PB Elsevier Science Inc.  
DT Journal  
LA English

RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 8 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 130:13460 CA

TI Supplementation of broiler diets with retinol acetate,  
.beta.-carotene or canthaxanthin: effect on vitamin status and oxidative  
status of broilers in vivo and on meat stability  
AU Jensen, Soren Krogh; Jensen, Claus; Jakobsen, Kirsten; Engberg, Ricarda  
M.; Andersen, Jens O.; Lauridsen, Charlotte; Sorensen, Poul; Skibsted,  
Leif H.; Bertelsen, Grete  
CS Dep. Nutrition, Danish Inst. Animal Science, Research Centre Foulum,  
Tjele, DK-8830, Den.  
SO Acta Agriculturae Scandinavica, Section A: Animal Science (1998), 48(1),  
28-37  
CODEN: ASSAEI; ISSN: 0906-4702  
PB Scandinavian University Press  
DT Journal  
LA English

RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 9 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 127:258646 CA

TI Gene specific universal mammalian sequence-tagged sites  
IN Brewer, George J.; Venta, Patrick J.; Yuzbasiyan-Gurkan, Vilma  
PA Regents of the University of Michigan, USA; Board of Trustees Operating  
Michigan State University; Brewer, George J.; Venta, Patrick J.;  
Yuzbasiyan-Gurkan, Vilma

SO PCT Int. Appl., 26 pp.

CODEN: PIIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9731012	A1	19970828	WO 1997-US2403	19970218
	W:	AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	AU 9719598	A1	19970910	AU 1997-19598	19970218
PRAI	US 1996-12061P	P	19960222		
	WO 1997-US2403	W	19970218		

L22 ANSWER 10 OF 24 CA COPYRIGHT 2003 ACS on STN

AN 127:175822 CA

TI Fish oil inhibits the acute induction of hypertriglyceridemia and liver enlargement by a single mega dose of retinyl palmitate in rats

AU Hwang, Deng-Fwu; Lin, Mei-Feng; Jeng, Sen-Shyong; Cheng, Hong-Ming

CS Dep. Marine Food Sci., Natl. Taiwan Ocean Univ., Chi-lung, 202, Taiwan

SO Zhonghua Minguo Yingyang Xuehui Zazhi (1997), 22(2), 131-143

CODEN: ZMYZEG; ISSN: 1011-6958

PB Nutrition Society in Taipei

DT Journal

LA English

L22 ANSWER 11 OF 24 CA COPYRIGHT 2003 ACS on STN

AN 127:160381 CA

TI Involvement of tumor necrosis factor-.alpha. in immunological liver injury in mice and its relation to hepatic macrophages

AU Wang, Gensheng; Zhang, Youhui; Liu, Gengtao

CS Institute of Materia Medica, Chinese Academy of Medical Sciences, Peking Union Medical College, Beijing, 100050, Peop. Rep. China

SO Zhongguo Yaolixue Yu Dulixue Zazhi (1996), 10(4), 255-259

CODEN: ZYYZEW; ISSN: 1000-3002

PB Zhongguo Yaolixue Yu Dulixue Zazhi Biarjibu

DT Journal

LA Chinese

L22 ANSWER 12 OF 24 CA COPYRIGHT 2003 ACS on STN

AN 126:126772 CA

TI Ursodeoxycholic acid improves the hepatic metabolism of essential fatty acids and **retinol** in children with cystic fibrosis

AU Lepage, Guy; Paradis, Khazal; Lacaille, Florence; Senechal, Lyne; Ronco, Nancy; Champagne, Josee; Lenaerts, Catherine; Roy, Claude C.; Rasquin-Weber, Andree

CS Department of Pediatrics, Hopital Ste-Justine, Universite de Montreal, QC, Can.

SO Journal of Pediatrics (St. Louis) (1997), 130(1), 52-58

CODEN: JOPDAB; ISSN: 0022-3476

PB Mosby-Year Book

DT Journal

LA English

L22 ANSWER 13 OF 24 CA COPYRIGHT 2003 ACS on STN

AN 122:186172 CA

- TI Spirulina platensis as retinol supplement for protection against hexachlorocyclohexane toxicity in rats  
AU Venkataraman, L. V.; Suvarnalatha, G.; Krishnakumari, M. K.; Joseph, Pius  
CS Central Food Technological Research Institute, Mysore, 570 013, India  
SO Journal of Food Science and Technology (1994), 31(5), 430-2  
CODEN: JFSTAB; ISSN: 0022-1155  
DT Journal  
LA English
- L22 ANSWER 14 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 120:85377 CA  
TI Relationship between blood lead levels and serum .beta.-carotene levels in steel workers  
AU Ito, Yoshinori; Shinohara, Rikio; Niiya, Yoshihide; Morita, Mayumi  
CS Sch. Health Sci., Fujita Health Univ., Toyoake, 470-11, Japan  
SO Igaku to Seibutsugaku (1993), 127(1), 23-7  
CODEN: IGSBAL; ISSN: 0019-1604  
DT Journal  
LA Japanese
- L22 ANSWER 15 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 116:148689 CA  
TI Dynamics of plasma nutrients and metabolites in molting macaroni (*Eudyptes chrysophous*) and gentoo (*Pygoscelis papua*) penguins  
AU Ghebremeskel, K.; Williams, T. D.; Williams, G.; Gardner, D. A.; Crawford, M. A.  
CS Inst. Brain Chem. Hum. Nutr., Hackney Hosp., London, E9 6BE, UK  
SO Comparative Biochemistry and Physiology, Part A: Molecular & Integrative Physiology (1992), 101A(2), 301-7  
CODEN: CBPAB5; ISSN: 0300-9629  
DT Journal  
LA English
- L22 ANSWER 16 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 115:273236 CA  
TI Chronic administration of ethanol with high vitamin A supplementation in a liquid diet to rats does not cause liver fibrosis. 2. Biochemical observations  
AU Seifert, W. F.; Bosma, A.; Hendriks, H. F. J.; Blaner, W. S.; Van Leeuwen, R. E. W.; Van Thiel-de Ruiter, G. C. F.; Wilson, J. H. P.; Knook, D. L.; Brouwer, A.  
CS Inst. Exp. Gerontol., TNO, Rijswijk, Neth.  
SO Journal of Hepatology (1991), 13(2), 249-55  
CODEN: JOHEEC; ISSN: 0168-8278  
DT Journal  
LA English
- L22 ANSWER 17 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 114:244574 CA  
TI Plasma biochemistry of free-living giant tortoises (*Geochelone gigantea*) on Curieuse Island (Republic of Seychelles)  
AU Ghebremeskel, K.; Williams, G.; Spratt, D.; Samour, H. J.  
CS Inst. Zool., Zool. Soc. London, London, NW1 4RY, UK  
SO Comparative Biochemistry and Physiology, Part A: Molecular & Integrative Physiology (1991), 99A(1-2), 65-7  
CODEN: CBPAB5; ISSN: 0300-9629  
DT Journal  
LA English
- L22 ANSWER 18 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 112:230823 CA  
TI Generation of a panel of somatic cell hybrids containing unselected

fragments of human chromosome 10 by X-ray irradiation and cell fusion:  
application to isolating the MEN2A region in hybrid cells  
AU Goodfellow, P. J.; Povey, S.; Nevanlinna, H. A.; Goodfellow, P. N.  
CS Dep. Med. Genet., Univ. British Columbia, Vancouver, BC, V6T 1W5, Can.  
SO Somatic Cell and Molecular Genetics (1990), 16(2), 163-71  
CODEN: SCMGDN; ISSN: 0740-7750  
DT Journal  
LA English

L22 ANSWER 19 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 103:213930 CA  
TI Nutritional status in elderly population in kibbutzim  
AU Haviv, Eliyahu; Levin, N.; Reshef, A.  
CS Dep. Nutr., Minist. Health, Jerusalem, Israel  
SO International Journal for Vitamin and Nutrition Research (1985), 55(3),  
351-5  
CODEN: IJVNAP; ISSN: 0300-9831

DT Journal  
LA English

L22 ANSWER 20 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 102:44814 CA  
TI Vitamin status during puerperium and lactation  
AU Dostalova, L.  
CS Dep. Vitamin Nutr. Res., F. Hoffmann-La Roche und Co. Ltd., Basle,  
CH-4002, Switz.  
SO Annals of Nutrition & Metabolism (1984), 28(6), 385-408  
CODEN: ANUMDS; ISSN: 0250-6807  
DT Journal  
LA English

L22 ANSWER 21 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 99:37387 CA  
TI Hepatic fibrosis after long-term administration of ethanol and moderate  
vitamin A supplementation in the rat  
AU Leo, Maria Anna; Lieber, Charles S.  
CS Mount Sinai Sch. Med., Bronx VA Med. Cent., Bronx, NY, 10029, USA  
SO Hepatology (Philadelphia, PA, United States) (1983), 3(1), 1-11  
CODEN: HPTLD9; ISSN: 0270-9139  
DT Journal  
LA English

L22 ANSWER 22 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 97:71263 CA  
TI The vitamin status of Viennese school children, aged 11-12 years  
AU Marktl, W.; Rudas, Barbara; Brubacher, G.  
CS Inst. Med. Physiol., Vienna Univ., Vienna, Austria  
SO International Journal for Vitamin and Nutrition Research (1982), 52(2),  
197-205  
CODEN: IJVNAP; ISSN: 0300-9831  
DT Journal  
LA English

L22 ANSWER 23 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 96:121343 CA  
TI Subacute toxicity studies of retinol acetate in rats  
AU Ohno, Yuko; Takamura, Naoko; Kurokawa, Yuji; Hayashi, Yuzo  
CS Div. Pathol., Natl. Inst. Hyg. Sci., Tokyo, 158, Japan  
SO Iyakuhin Kenkyu (1981), 12(4), 1064-81  
CODEN: IYKEDH; ISSN: 0287-0894  
DT Journal  
LA Japanese

L22 ANSWER 24 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 90:135916 CA  
TI Plasma protein levels in cancers and malignant tumors. Analytical studies  
with brain tumors  
AU Hamano, Tomiaki; Motegi, Koki  
CS Cent. Clin. Lab., Tokyo Metrop. Komagome Hosp., Tokyo, Japan  
SO Rinsho Kagaku Shinpojumu (1978), Volume Date 1977, 17, 208  
CODEN: RKASDA; ISSN: 0386-3417  
DT Journal  
LA Japanese

=> e dermal  
E1 1 DERMAINSPECT/BI  
E2 2 DERMAITIS/BI  
E3 11546 --> DERMAL/BI  
E4 1 DERMALAL/BI  
E5 3 DERMALEPIDERMAL/BI  
E6 1 DERMALEX/BI  
E7 2 DERMALICHT/BI  
E8 1 DERMALIN/BI  
E9 1 DERMALITIDIS/BI  
E10 1 DERMALIX/BI  
E11 458 DERMALLY/BI  
E12 1 DERMALN/BI

=> s e3-e11  
11546 DERMAL/BI  
1 DERMALAL/BI  
3 DERMALEPIDERMAL/BI  
1 DERMALEX/BI  
2 DERMALICHT/BI  
1 DERMALIN/BI  
1 DERMALITIDIS/BI  
1 DERMALIX/BI  
458 DERMALLY/BI  
L23 11755 (DERMAL/BI OR DERMALAL/BI OR DERMALEPIDERMAL/BI OR DERMALEX/BI  
OR DERMALICHT/BI OR DERMALIN/BI OR DERMALITIDIS/BI OR DERMALIX/B  
I OR DERMALLY/BI)

=> d his  
(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)  
FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003  
L1 75 S FARNESOL  
L2 1 S HEXANOYL SPHINGOSINE  
L3 0 S OLEOYL BETAINE  
L4 55 S URSOLIC ACID  
L5 165 S IONONE  
L6 0 S UTRECT-2  
L7 1 S UTRECHT 2  
L8 5 S BIFONAZOLE  
L9 6 S CLOTRIMAZOLE  
L10 5 S KETOCONAZOLE  
L11 15 S MICONAZOLE  
L12 0 S DAIZEDEIN  
L13 51 S DAIDZEIN  
L14 75 S GENISTEIN  
L15 0 S PHYTOESTRAGEN  
E PHYTOESTROGEN

L16

3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17 10486 S RETINOL  
L18 0 S GLUTAMASE TRANSAMINASE  
L19 189 S GLUTAMATE TRANSAMINASE  
L20 0 S L19 AND L17  
L21 19649 S TRANSAMINASE  
L22 24 S L21 AND L17  
E DERMAL  
L23 11755 S E3-E11

=> s 11

L24 3285 L1

=> e phytoestrogen

E1 1 PHYTOESTOGENS/BI  
E2 1 PHYTOESTRIN/BI  
E3 962 --> PHYTOESTROGEN/BI  
E4 1 PHYTOESTROGENEN/BI  
E5 4 PHYTOESTROGENES/BI  
E6 50 PHYTOESTROGENIC/BI  
E7 2 PHYTOESTROGENICITY/BI  
E8 1225 PHYTOESTROGENS/BI  
E9 1 PHYTOESTROGENSS/BI  
E10 1 PHYTOESTROGENTHERAPY/BI  
E11 1 PHYTOESTRYL/BI  
E12 1 PHYTOEVAPORATION/BI

=> s e3-e

'E' NOT FOUND

The E# entered is not currently defined.

=> s e3-e8

962 PHYTOESTROGEN/BI  
1 PHYTOESTROGENEN/BI  
4 PHYTOESTROGENES/BI  
50 PHYTOESTROGENIC/BI  
2 PHYTOESTROGENICITY/BI  
1225 PHYTOESTROGENS/BI  
L25 1454 (PHYTOESTROGEN/BI OR PHYTOESTROGENEN/BI OR PHYTOESTROGENES/BI  
OR PHYTOESTROGENIC/BI OR PHYTOESTROGENICITY/BI OR PHYTOESTROGENS  
/BI)

=> s 125 and 123

L26 1 L25 AND L23

=> e skin

E1 3 SKIMSTOCK/BI  
E2 1 SKIMSTOCKS/BI  
E3 184746 --> SKIN/BI  
E4 1 SKIN1/BI  
E5 1 SKIN19/BI  
E6 30 SKIN2/BI  
E7 3 SKIN2TM/BI  
E8 2 SKIN2ZK/BI  
E9 1 SKIN2ZK1301/BI  
E10 1 SKINA/BI  
E11 4 SKINAKAS/BI  
E12 6 SKINATH/BI

=> s e3

L27 184746 SKIN/BI

=> s 127 and 125

L28 22 L27 AND L25

=> d 128 1-22

L28 ANSWER 1 OF 22 CA COPYRIGHT 2003 ACS on STN

AN 139:6149 CA

TI Dietary soy oil content and soy-derived **phytoestrogen** genistein increase resistance to alopecia areata onset in C3H/HeJ mice

AU McElwee, K. J.; Niiyama, S.; Freyschmidt-Paul, P.; Wenzel, E.; Kissling, S.; Sundberg, J. P.; Hoffmann, R.

CS Department of Dermatology, Philipp University, Marburg, 35033, Germany

SO Experimental Dermatology (2003), 12(1), 30-36

CODEN: EXDEEY; ISSN: 0906-6705

PB Blackwell Munksgaard

DT Journal

LA English

RE.CNT 64 THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 2 OF 22 CA COPYRIGHT 2003 ACS on STN

AN 138:378730 CA

TI **Phytoestrogens** regulate vitamin D metabolism in the mouse colon: relevance for colon tumor prevention and therapy

AU Kallay, Eniko; Adlercreutz, Herman; Farhan, Hesso; Lechner, Daniel; Bajna, Erika; Gerdenitsch, Waltraud; Campbell, Moray; Cross, Heide S.

CS Department of Pathophysiology, University of Vienna Medical School, Vienna, Austria

SO Journal of Nutrition (2002), 132(11S), 3490S-3493S

CODEN: JONUAI; ISSN: 0022-3166

PB American Society for Nutritional Sciences

DT Journal

LA English

RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 3 OF 22 CA COPYRIGHT 2003 ACS on STN

AN 137:216184 CA

TI food or feed composition improving age-related physiological deficits and increasing longevity in mammals

IN Malnoe, Armand; Pridmore-Merten, Sylvie

PA Societe des Produits Nestle S.A., Switz.

SO PCT Int. Appl., 22 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002071874	A2	20020919	WO 2002-EP2862	20020307
	WO 2002071874	A3	20030109		
	W:	AU, BR, CA, CN, CO, CR, CZ, DM, EC, HU, ID, IL, IN, JP, KR, LK, MA, MX, NO, NZ, PH, PL, SG, TN, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP	1238592	A1	20020911	EP 2001-200871	20010309
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			

PRAI EP 2001-200871 A 20010309

L28 ANSWER 4 OF 22 CA COPYRIGHT 2003 ACS on STN

AN 137:83426 CA

TI Skin care product containing retinoids and  
phytoestrogens in a dual compartment package

IN Pillai, Sreekumar; Granger, Stewart Paton; Scott, Ian Richard; Pocalyko,  
David Joseph

PA Unilever PLC, UK; Unilever N.V.; Hindustan Lever Limited

SO PCT Int. Appl., 22 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002053122	A2	20020711	WO 2001-EP14483	20011206
	WO 2002053122	A3	20021031		
	WO 2002053122	B1	20030220		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2002127255	A1	20020912	US 2001-36589	20011107
	US 6565864	B2	20030520		
PRAI	US 2000-258456P	P	20001228		

L28 ANSWER 5 OF 22 CA COPYRIGHT 2003 ACS on STN

AN 137:83423 CA

TI Skin care product containing retinoids, retinoid booster and  
phytoestrogens in a dual compartment package

IN Pillai, Sreekumar; Granger, Stewart Paton; Scott, Ian Richard; Pocalyko,  
David Joseph

PA Unilever P.L.C., UK; Unilever N.V.; Hindustan Lever Limited

SO PCT Int. Appl., 56 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002053108	A2	20020711	WO 2001-EP14486	20011206
	WO 2002053108	A3	20020926		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2002143059	A1	20021003	US 2001-3850	20011102
PRAI	US 2000-258457P	P	20001228		

L28 ANSWER 6 OF 22 CA COPYRIGHT 2003 ACS on STN

AN 136:345514 CA

TI Cosmetic compositions containing a matrix metalloproteinase inhibitor and estrogen  
IN Lerner, David S.; Schultz, Gregory  
PA USA  
SO U.S. Pat. Appl. Publ., 5 pp.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002054922	A1	20020509	US 2001-896566	20010629
PRAI	US 2000-215087P	P	20000629		

L28 ANSWER 7 OF 22 CA COPYRIGHT 2003 ACS on STN  
AN 136:335333 CA  
TI Estrogens and environmental estrogens  
AU Tapiero, H.; Ba, G. Nguyen; Tew, K. D.  
CS Laboratoire de Pharmacologie Cellulaire & Moleculaire, Universite de Paris Sud, Chatenay Malabry, 94200, Fr.  
SO Biomedicine & Pharmacotherapy (2002), 56(1), 36-44  
CODEN: BIPHEX; ISSN: 0753-3322  
PB Editions Scientifiques et Medicales Elsevier  
DT Journal; General Review  
LA English  
RE.CNT 115 THERE ARE 115 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 8 OF 22 CA COPYRIGHT 2003 ACS on STN  
AN 136:314998 CA  
TI Compositions for alleviating adverse side effects and/or enhancing efficacy of agents inhibiting aromatase  
IN Kragie, Laura  
PA USA  
SO PCT Int. Appl., 34 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002030355	A2	20020418	WO 2001-US32066	20011010
	WO 2002030355	A3	20030206		
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, FI, GB, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2002013198	A5	20020422	AU 2002-13198	20011010
PRAI	US 2000-239457P	P	20001011		
	WO 2001-US32066	W	20011010		

L28 ANSWER 9 OF 22 CA COPYRIGHT 2003 ACS on STN  
AN 136:284427 CA  
TI Oil in glycerin emulsion  
IN Friedman, Doron L.  
PA J.P.M.E.D. Ltd., Israel  
SO PCT Int. Appl., 25 pp.  
CODEN: PIXXD2

DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002024152	A2	20020328	WO 2001-IL826	20010902
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	EP 1320353	A2	20030625	EP 2001-965547	20010902
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
PRAI	IL 2000-138616	A	20000921		
	WO 2001-IL826	W	20010902		

L28 ANSWER 10 OF 22 CA COPYRIGHT 2003 ACS on STN  
AN 136:236668 CA

TI New disperse cosmetic or hygienic preparations  
IN Dampeirou, Christian  
PA C3d, Fr.  
SO Fr. Demande, 12 pp.  
CODEN: FRXXBL

DT Patent  
LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2810540	A1	20011228	FR 2000-7944	20000621
PRAI	FR 2000-7944		20000621		

L28 ANSWER 11 OF 22 CA COPYRIGHT 2003 ACS on STN  
AN 136:221543 CA  
TI Cosmetic compositions containing matrix metalloproteinase inhibitor and estrogens  
IN Lerner, David S.; Schultz, Gregory  
PA Quick Med Technologies, Inc., USA; University of Florida Research Foundation, Inc.  
SO PCT Int. Appl., 14 pp.  
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002019982	A2	20020314	WO 2001-US20945	20010629
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2001073115	A5	20020322	AU 2001-73115	20010629
PRAI	US 2000-215087P	P	20000629		

L28 ANSWER 12 OF 22 CA COPYRIGHT 2003 ACS on STN

AN 136:172773 CA

TI Organic nutrient for hair loss treatment

IN Zelickson, M. D. Brian D.

PA USA

SO PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002011675	A2	20020214	WO 2001-US25257	20010810
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRAI	US 2000-637097	A	20000810		
	US 2000-711172	A	20001109		

L28 ANSWER 13 OF 22 CA COPYRIGHT 2003 ACS on STN

AN 136:79236 CA

TI Transdermal absorption of **phytoestrogens**

AU Vanttinien, K.; Moravcova, J.

CS Department of Chemistry of Natural Compounds, Institute of Chemical Technology, Prague, 166 28/6, Czech Rep.

SO Pharmazie (2001), 56(9), 711-717

CODEN: PHARAT; ISSN: 0031-7144

PB Govi-Verlag Pharmazeutischer Verlag

DT Journal

LA English

RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 14 OF 22 CA COPYRIGHT 2003 ACS on STN

AN 135:262021 CA

TI Antiwrinkle cosmetic composition containing crosslinked silicone elastomers

IN Anderson, Glen T.

PA Avon Products, Inc., USA

SO Eur. Pat. Appl., a6 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1136064	A2	20010926	EP 2001-106007	20010312
	EP 1136064	A3	20011017		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	CA 2341120	AA	20010921	CA 2001-2341120	20010316
	JP 2001294510	A2	20011023	JP 2001-79722	20010321
PRAI	US 2000-190988P	P	20000321		
	US 2000-195907P	P	20000410		

US 2000-723508 A 20001128

L28 ANSWER 15 OF 22 CA COPYRIGHT 2003 ACS on STN  
AN 135:163522 CA  
TI Effects of endocrine modulating substances on reproduction in the hermaphroditic snail Lymnaea stagnalis L  
AU Czech, P.; Weber, K.; Dietrich, D. R.  
CS Environmental Chemistry and Pharmanalytcs Division, RCC Ltd., Itingen, CH-4452, Switz.  
SO Aquatic Toxicology (2001), 53(2), 103-114  
CODEN: AQTODG; ISSN: 0166-445X  
PB Elsevier Science B.V.  
DT Journal  
LA English  
RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 16 OF 22 CA COPYRIGHT 2003 ACS on STN  
AN 135:141996 CA  
TI Cosmetic compositions containing resveratrol  
IN Carson, Robert George; Patel, Krupa; Carlonusto, Marieann; Bosko, Carol Annette; Pillai, Sreekumar; Santhanam, Uma; Weinkauf, Ronni Lynn; Iwata, Koichi; Palanker, Laura Rose  
PA Chesebrough-Pond's USA Co., Division of Conopco, USA  
SO U.S., 10 pp., Cont.-in-part of U.S. Ser. No. 900,795.  
CODEN: USXXAM  
DT Patent  
LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6270780	B1	20010807	US 1998-98121	19980616
	ZA 9806039	A	20000110	ZA 1998-6039	19980708
	TW 480178	B	20020321	TW 1998-87115185	19980911
PRAI	US 1997-900795	A2	19970725		

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 17 OF 22 CA COPYRIGHT 2003 ACS on STN  
AN 135:50903 CA  
TI Cosmetic skin conditioning compositions containing red yeast rice extract  
IN Januario, Thomas Eugene; Santhanam, Uma; Pillai, Sreekumar; Mahajan, Manisha Narayan; Bajor, John Steven  
PA Unilever PLV, UK; Unilever NV; Hindustan Lever Limited  
SO PCT Int. Appl., 33 pp.  
CODEN: PIXXD2  
DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001043711	A1	20010621	WO 2000-EP11355	20001113
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

JP 2003516952 T2 20030520 JP 2001-544651 20001113  
 US 6395281 B1 20020528 US 2000-737072 20001214  
 US 2002041883 A1 20020411  
 PRAI US 1999-170669P P 19991214  
 WO 2000-EP11355 W 20001113

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 18 OF 22 CA COPYRIGHT 2003 ACS on STN  
 AN 134:371827 CA  
 TI Composition comprising ozonized oils and/or other ozonized natural and/or synthetic products and their use in pharmaceutical, cosmetic, dietetic or food supplement compositions in human and veterinary medicine  
 IN Gomez Moraleda, Manuel-antonio; Dall'aglio, Roberto; Melegari, Pierangelo  
 PA Spain  
 SO PCT Int. Appl., 33 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA Spanish  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001037829	A1	20010531	WO 2000-ES208	20000609
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
ES 2162586	A1	20011216	ES 1999-2602	19991125
ES 2162586	B1	20020701		
EP 1273295	A1	20030108	EP 2000-935232	20000609
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
US 2003049333	A1	20030313	US 2002-155472	20020524
PRAI ES 1999-2602	A	19991125		
WO 2000-ES208	W	20000609		

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 19 OF 22 CA COPYRIGHT 2003 ACS on STN  
 AN 134:37563 CA  
 TI Administration of non-oral androgenic steroids to improve health in women with elevated SHBG levels or those receiving estrogen supplementation  
 IN Rosario-jansen, Theresa; Mazer, Norman A.  
 PA Watson Pharmaceuticals, Inc., USA  
 SO PCT Int. Appl., 46 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000076522	A1	20001221	WO 2000-US15834	20000609
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA,				

ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,  
     DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,  
     CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 EP 1189619           A1 20020327           EP 2000-939710 20000609  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
     IE, SI, LT, LV, FI, RO  
 BR 2000011740       A 20020514           BR 2000-11740 20000609  
 JP 2003505345       T2 20030212           JP 2001-502855 20000609  
 US 6583129           B1 20030624           US 2000-591141 20000609  
 NO 2001006046       A 20020206           NO 2001-6046 20011211  
 PRAI US 1999-138851P   P 19990611  
   US 1999-138854P   P 19990611  
   US 1999-139323P   P 19990611  
   WO 2000-US15834   W 20000609

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 20 OF 22 CA COPYRIGHT 2003 ACS on STN  
 AN 133:317131 CA  
 TI **Phytoestrogen, resveratrol and women's health**  
 AU Bagchi, Debasis; Preuss, Harry G.; Bagchi, Manashi; Stohs, Sidney J.  
 CS Creighton University School of Pharmacy and Allied Health Professions,  
     Omaha, NE, 68178, USA  
 SO Research Communications in Pharmacology and Toxicology (2000), 5(1 & 2),  
     107-121  
     CODEN: RCPTFY; ISSN: 1087-1101  
 PB PJD Publications Ltd.  
 DT Journal; General Review  
 LA English

RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 21 OF 22 CA COPYRIGHT 2003 ACS on STN  
 AN 133:242652 CA  
 TI Pharmaceutical, dietetic and cosmetic compositions based on tioctic acid  
     and cysteine  
 IN Dall'aglio, Roberto; Borgonovo, Margherita; Introini, Carlo; Melegari,  
     Pierangelo  
 PA Uni-Ci S.R.L., Italy  
 SO PCT Int. Appl., 48 pp.  
     CODEN: PIXXD2  
 DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000053176	A1	20000914	WO 2000-EP1637	20000228
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
IT	1312377	B1	20020415	IT 1999-MI460	19990305
EP	1156802	A1	20011128	EP 2000-907644	20000228
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
EP	1072310	A3	20030108	EP 2000-113660	20000628

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL  
 PRAI IT 1999-MI460 A 19990305  
 WO 2000-EP1637 W 20000228  
 RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L28 ANSWER 22 OF 22 CA COPYRIGHT 2003 ACS on STN  
 AN 130:158269 CA  
 TI Cosmetic compositions containing resveratrol  
 IN Carson, Robert George; Patel, Krupa; Carlomusto, Marieann; Bosko, Carol  
 Annette; Pillai, Sreekumar  
 PA Unilever PLC, UK; Unilever N.V.  
 SO PCT Int. Appl., 36 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9904747	A2	19990204	WO 1998-EP4223	19980707
WO 9904747	A3	19990408		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9888584	A1	19990216	AU 1998-88584	19980707
AU 730825	B2	20010315		
EP 980235	A2	20000223	EP 1998-940171	19980707
EP 980235	B1	20030528		
R: CH, DE, ES, FR, GB, IT, LI				
BR 9810810	A	20000912	BR 1998-10810	19980707
JP 2001510777	T2	20010807	JP 2000-503809	19980707
RU 2203036	C2	20030427	RU 2000-104879	19980707
ZA 9806039	A	20000110	ZA 1998-6039	19980708
TW 480178	B	20020321	TW 1998-87115185	19980911
MX 200000493	A	20011009	MX 2000-493	20000113
PRAI US 1997-900795	A	19970725		
WO 1998-EP4223	W	19980707		

=> d 128 20 all

L28 ANSWER 20 OF 22 CA COPYRIGHT 2003 ACS on STN  
 AN 133:317131 CA  
 TI Phytoestrogen, resveratrol and women's health  
 AU Bagchi, Debasis; Preuss, Harry G.; Bagchi, Manashi; Stohs, Sidney J.  
 CS Creighton University School of Pharmacy and Allied Health Professions,  
 Omaha, NE, 68178, USA  
 SO Research Communications in Pharmacology and Toxicology (2000), 5(1 & 2),  
 107-121  
 CODEN: RCPTFY; ISSN: 1087-1101  
 PB PJD Publications Ltd.  
 DT Journal; General Review  
 LA English  
 CC 1-0 (Pharmacology)  
 AB A review with 48 refs. Phytoestrogens are naturally occurring  
 plant-derived non-steroidal compds. that are structurally or functionally

similar to steroid estrogens produced by the body, such as estradiol. Various studies have demonstrated the health benefits of **phytoestrogens** in addressing the climacteric syndrome including vasomotor symptoms and postmenopausal health risks. Endometrial, breast and ovarian cancers are low in Asian cultures as the result of a diet rich in **phytoestrogens**. Estrogens are integral component of phys. and emotional well-being of women. Estrogens are essential for the development and function of female sex organs, as well as maintenance of bone strength, cardiovascular health and proper brain function. With advancing age, women produce less and less estrogen and experience midlife changes. A broad spectrum of evidence suggest that **phytoestrogen** supplementation offers a potential alternative or complement to conventional hormone replacement therapy (HRT) for osteoporosis prevention and other potential health benefits. Furthermore, **phytoestrogens** demonstrate anticarcinogenic and cardioprotective activities, as well as promote prostate health and bone formation. Conventional HRT drugs, esp. diethylstilbestrol (DES), have been demonstrated to cause serious side effects including stroke, gallbladder disease and certain types of cancer. Trans-Resveratrol is a powerful **phytoestrogen** found in grape skin and other plant foods as well as wine. Studies have shown that trans-resveratrol enhances estrogen metab. through the formation of a complex with estrogen receptors, and can help women maintain normal estrogenic activity, reduce hot flashes, balance mood swings, maintain healthy bone d., promote cardiovascular health and prevent the effects of premature aging.

ST review **phytoestrogen** resveratrol dietary estrogen cytoprotectant  
IT Estrogens  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(dietary; **phytoestrogen**, resveratrol and women's health)  
IT Cytoprotective agents  
(**phytoestrogen**, resveratrol and women's health)  
IT Estrogens  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(**phytoestrogens**; **phytoestrogen**, resveratrol and women's health)  
IT Menopause  
(postmenopause; **phytoestrogen**, resveratrol and women's health)  
IT 501-36-0, Resveratrol  
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(**phytoestrogen**, resveratrol and women's health)

RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD  
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=> s resvereserol  
 L29 0 RESVESEROL

=> s resveratrol  
 L30 1408 RESVERATROL

=> s l30 and l23  
 L31 4 L30 AND L23

=> d k31 1-4  
 'K31' IS NOT A VALID FORMAT FOR FILE 'CA'

The following are valid formats:

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DMAX -----	MAX, delimited for post-processing
FAM -----	AN, PI and PRAI in table, plus Patent Family data
FBIB -----	AN, BIB, plus Patent FAM
IND -----	Indexing data
IPC -----	International Patent Classifications

MAX ----- ALL, plus Patent FAM, RE  
PATs ----- PI, SO  
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IBIB ----- BIB, indented with text labels  
IMAX ----- MAX, indented with text labels  
ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)  
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms  
HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)  
containing hit terms  
HITRN ----- HIT RN and its text modification  
HITSTR ----- HIT RN, its text modification, its CA index name, and  
its structure diagram  
HITSEQ ----- HIT RN, its text modification, its CA index name, its  
structure diagram, plus NTE and SEQ fields  
FHITSTR ----- First HIT RN, its text modification, its CA index name, and  
its structure diagram  
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its  
structure diagram, plus NTE and SEQ fields  
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OCC ----- Number of occurrence of hit term and field in which it occurs

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L31 ANSWER 1 OF 4 CA COPYRIGHT 2003 ACS on STN  
AN 138:281072 CA  
TI Dermal wound healing properties of redox-active grape seed  
proanthocyanidins  
AU Khanna, Savita; Venojarvi, Mika; Roy, Sashwati; Sharma, Nidhi; Trikha,  
Prashant; Bagchi, Debasis; Bagchi, Manashi; Sen, Chandan K.  
CS Heart and Lung Research Institute, Department of Surgery, Laboratory of  
Molecular Medicine, The Ohio State University Medical Center, Columbus,  
OH, USA  
SO Free Radical Biology & Medicine (2002), 33(8), 1089-1096  
CODEN: FRBMEH; ISSN: 0891-5849  
PB Elsevier Science Inc.  
DT Journal  
LA English  
RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 2 OF 4 CA COPYRIGHT 2003 ACS on STN  
AN 138:175521 CA  
TI Synergetic combination of natural antioxidants from grapes and use in cosmetic preparations  
IN Rull Prous, Santiago; Granolleras Castello, Anna; Alaoui Ismaili, Smail  
PA Cognis Iberia, S.L., Spain  
SO Eur. Pat.. Appl., 20 pp.  
CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 1284133	A1	20030219	EP 2001-119972	20010818
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR		
WO 2003015738	A1	20030227	WO 2002-EP8901	20020809
	W:	AU, BR, CA, CN, JP, KR, US		
	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR		

PRAI EP 2001-119972 A 20010818

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 3 OF 4 CA COPYRIGHT 2003 ACS on STN

AN 136:337601 CA

TI Antimicrobial effect of **resveratrol** on dermatophytes and bacterial pathogens of the skin

AU Chan, Marion Man-Ying

CS Department of Microbiology and Immunology, Temple University School of Medicine, Philadelphia, PA, 19140, USA

SO Biochemical Pharmacology (2002), 63(2), 99-104

CODEN: BCPCA6; ISSN: 0006-2952

PB Elsevier Science Inc.

DT Journal

LA English

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L31 ANSWER 4 OF 4 CA COPYRIGHT 2003 ACS on STN

AN 135:298710 CA

TI Upregulation of oxidant-induced VEGF expression in cultured keratinocytes by a grape seed proanthocyanidin extract

AU Khanna, S.; Roy, S.; Bagchi, D.; Bagchi, M.; Sen, C. K.

CS Department of Surgery, Laboratory of Molecular Medicine, The Ohio State University Medical Center, Columbus, OH, USA

SO Free Radical Biology & Medicine (2001), 31(1), 38-42

CODEN: FRBMEH; ISSN: 0891-5849

PB Elsevier Science Inc.

DT Journal

LA English

RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1           75 S FARNESOL  
L2           1 S HEXANOYL SPHINGOSINE  
L3           0 S OLEOYL BETAINE  
L4           55 S URSOLIC ACID  
L5           165 S IONONE  
L6           0 S UTRECT-2  
L7           1 S UTRECHT 2  
L8           5 S BIFONAZOLE  
L9           6 S CLOTRIMAZOLE  
L10          5 S KETOCONAZOLE  
L11          15 S MICONAZOLE  
L12          0 S DAIZEDEIN  
L13          51 S DAIDZEIN  
L14          75 S GENISTEIN  
L15          0 S PHYTOESTRAGEN  
              E PHYTOESTROGEN  
L16          3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17       10486 S RETINOL  
L18       0 S GLUTAMASE TRANSAMINASE  
L19       189 S GLUTAMATE TRANSAMINASE  
L20       0 S L19 AND L17  
L21       19649 S TRANSAMINASE  
L22       24 S L21 AND L17  
          E DERMAL  
L23       11755 S E3-E11  
L24       3285 S L1  
          E PHYTOESTROGEN  
L25       1454 S E3-E8  
L26       1 S L25 AND L23  
          E SKIN  
L27       184746 S E3  
L28       22 S L27 AND L25  
L29       0 S RESVESEROL  
L30       1408 S RESVERATROL  
L31       4 S L30 AND L23

=> s l24 and l30

L32       0 L24 AND L30

=> e fungus

E1       2     FUNGURUME/BI  
E2       1     FUNGURUMI/BI  
E3       40001 --> FUNGUS/BI  
E4       2     FUNGUSAND/BI  
E5       15    FUNGUSES/BI  
E6       1     FUNGUSGROWTH/BI  
E7       1     FUNGUSHYDROLYZED/BI  
E8       1     FUNGUSI/BI  
E9       1     FUNGUSLACCARIA/BI  
E10      1     FUNGUSMYCELIA/BI  
E11      1     FUNGUSNEUTRAL/BI  
E12      1     FUNGUSPENICILLIUM/BI

=> s e3

L33       40001 FUNGUS/BI

=> s l33 and l30

L34       21 L33 AND L30

=> d l21 5-21

L21 ANSWER 5 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:82559 CA  
TI Maternal electrolyte and liver function changes during pregnancy at high altitude  
AU Kametas, Nikos; McAuliffe, Fionnuala; Krampl, Elisabeth; Sherwood, Roy; Nicolaides, Kypros H.  
CS Harris Birthright Research Centre for Fetal Medicine, King's College Hospital, London, SE5 9RS, UK  
SO Clinica Chimica Acta (2003), 328(1-2), 21-29  
CODEN: CCATAR; ISSN: 0009-8981  
PB Elsevier Science Ltd.  
DT Journal  
LA English  
RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 6 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:80547 CA  
TI An investigation of the role of vitamin E in the protection of mice against microcystin toxicity  
AU Gehringer, Michelle M.; Govender, Sharlene; Shah, Mrinal; Downing, Timothy G.  
CS Department of Biochemistry and Microbiology, University of Port Elizabeth, Port Elizabeth, 6000, S. Afr.  
SO Environmental Toxicology (2003), 18(2), 142-148  
CODEN: ETOXFH; ISSN: 1520-4081  
PB John Wiley & Sons, Inc.  
DT Journal  
LA English  
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 7 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:80523 CA  
TI Report of eight children with amitraz intoxication  
AU Caksen, Huseyin; Odabas, Dursun; Arslan, Sukru; Akgun, Cihangir; Atas, Bulent; Akbayram, Sinan; Tuncer, Oguz  
CS Department of Pediatrics, Faculty of Medicine, Yuzuncu Yil University, Van, 65300, Turk.  
SO Human & Experimental Toxicology (2003), 22(2), 95-97  
CODEN: HETOEA; ISSN: 0960-3271  
PB Arnold, Hodder Headline  
DT Journal  
LA English  
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 8 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:80491 CA  
TI Toxicological effects of .alpha.-Solanum in experimental animals  
AU Al Chami, Lina; Mendez, Ramon; Chataing, Bernardo; O'Callaghan, James; Usubillaga, Alfredo; LaCruz, Luis  
CS Departamento de Biologia, Facultad de Ciencias, Universidad de Los Andes, Merida, Venez.  
SO Phytotherapy Research (2003), 17(3), 254-258  
CODEN: PHYREH; ISSN: 0951-418X  
PB John Wiley & Sons Ltd.  
DT Journal  
LA English  
RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 9 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:79440 CA  
TI Interactions of taurine and structurally related analogues with the GABAergic system and taurine binding sites of rabbit brain  
AU Frosini, Maria; Sesti, Casilde; Dragoni, Stefania; Valoti, Massimo; Palmi, Mitri; Dixon, Henry B. F.; Machetti, Fabrizio; Sgaragli, Giampietro  
CS Istituto di Scienze Farmacologiche, Universita di Siena, Siena, 53100, Italy  
SO British Journal of Pharmacology (2003), 138(6), 1163-1171  
CODEN: BJPCBM; ISSN: 0007-1188  
PB Nature Publishing Group  
DT Journal  
LA English

RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 10 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:78918 CA  
TI Comparison of treatment with fluvastatin extended-release 80-mg tablets and immediate-release 40-mg capsules in patients with primary hypercholesterolemia  
AU Isaacsohn, Jonathan L.; LaSalle, James; Chao, George; Gonasan, Leonard  
CS Metabolic and Atherosclerosis Research Center, Cincinnati, OH, USA  
SO Clinical Therapeutics (2003), 25(3), 904-918  
CODEN: CLTHDG; ISSN: 0149-2918  
PB Excerpta Medica, Inc.  
DT Journal  
LA English

RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 11 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:78890 CA  
TI Anti-diabetic activity of green tea polyphenols and their role in reducing oxidative stress in experimental diabetes  
AU Sabu, M. C.; Smitha, K.; Ramadasan, Kuttan  
CS Amala Nagar, Amala Cancer Research Centre, Trichur, 680 553, India  
SO Journal of Ethnopharmacology (2002), 83(1-2), 109-116  
CODEN: JOETD7; ISSN: 0378-8741  
PB Elsevier Science Ireland Ltd.  
DT Journal  
LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 12 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:68487 CA  
TI Food restriction attenuates blood lipid peroxidation in carbon tetrachloride-intoxicated rats  
AU Ramkumar, K. M.; Rajesh, R.; Anuradha, C. V.  
CS Faculty of Science, Department of Biochemistry, Annamalai University, Tamil Nadu, India  
SO Nutrition (New York, NY, United States) (2003), 19(4), 358-362  
CODEN: NUTRER; ISSN: 0899-9007  
PB Elsevier Science Inc.  
DT Journal  
LA English

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 13 OF 19649 CA COPYRIGHT 2003 ACS on STN

AN 139:67571 CA  
TI Interferon and ribavirin therapy for chronic hepatitis C virus genotype 6:  
a comparison with genotype 1  
AU Hui, Chee-Kin; Yuen, Man-Fung; Sablon, Erwin; Chan, Annie On-On; Wong,  
Benjamin Chun-Yu; Lai, Ching-Lung  
CS Department of Medicine, Queen Mary Hospital, The University of Hong Kong,  
Hong Kong, Peop. Rep. China  
SO Journal of Infectious Diseases (2003), 187(7), 1071-1074  
CODEN: JIDIAQ; ISSN: 0022-1899  
PB University of Chicago Press  
DT Journal  
LA English  
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 14 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:67157 CA  
TI Prevalence of **transaminase** abnormalities in asymptomatic,  
healthy subjects participating in an executive health-screening program  
AU Patt, Cary H.; Yoo, Hwan Y.; Dibadj, Kourosh; Flynn, John; Thuluvath, Paul  
J.  
CS Department of Medicine, Johns Hopkins University School of Medicine,  
Baltimore, MD, USA  
SO Digestive Diseases and Sciences (2003), 48(4), 797-801  
CODEN: DDSCDJ; ISSN: 0163-2116  
PB Kluwer Academic/Plenum Publishers  
DT Journal  
LA English

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 15 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:66743 CA  
TI D-galactosamine induced hepatocyte apoptosis is inhibited in vivo and in  
cell culture by a calcium calmodulin antagonist, chlorpromazine, and a  
calcium channel blocker, verapamil  
AU Tsutsui, Shigeki; Itagaki, Shin-ichi; Kawamura, Seiji; Harada, Ken-ichi;  
Karaki, Hideaki; Doi, Kunio; Yoshikawa, Yasuhiro  
CS Department of Biomedical Science, Graduate School of Agricultural and Life  
Sciences, The University of Tokyo, Tokyo, 113-8657, Japan  
SO Experimental Animals (2003), 52(1), 43-52  
CODEN: JIDOAA; ISSN: 1341-1357  
PB Japanese Association for Laboratory Animal Science  
DT Journal  
LA English

RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 16 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:65376 CA  
TI Biochip which examines hepatic function by employing colorimetric method  
AU Oki, Akio; Ogawa, Hiroki; Takamura, Yuzuru; Horiike, Yasuhiro  
CS Department of Materials Engineering, The University of Tokyo, Tokyo,  
113-8656, Japan  
SO Japanese Journal of Applied Physics, Part 2: Letters (2003), 42(3B),  
L342-L345  
CODEN: JAPLD8  
PB Japan Society of Applied Physics  
DT Journal  
LA English

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 17 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:64579 CA  
TI Comparative effect of benzanthrone and 3-bromobenzanthrone on hepatic xenobiotic metabolism and anti-oxidative defense system in guinea pigs  
AU Singh, Ravindra P.; Khanna, Raj; Kaw, Jawahar L.; Khanna, Subhash K.; Das, Mukul  
CS Department of Biochemistry, Lucknow University, Lucknow, India  
SO Archives of Toxicology (2003), 77(2), 94-99  
CODEN: ARTODN; ISSN: 0340-5761  
PB Springer-Verlag  
DT Journal  
LA English

RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 18 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:64555 CA  
TI GABAergic mechanisms of heroin-induced brain activation assessed with functional MRI  
AU Xi, Zheng-Xiong; Wu, Gaohong; Stein, Elliot A.; Li, Shi-Jiang  
CS Biophysics Research Institute, Medical College of Wisconsin, Milwaukee, WI, 53226, USA  
SO Magnetic Resonance in Medicine (2002), 48(5), 838-843  
CODEN: MRMEEN; ISSN: 0740-3194  
PB Wiley-Liss, Inc.  
DT Journal  
LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 19 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:63251 CA  
TI Comparison of hepatoprotective effects between ethanol and water extracts of Yinchenhao Tang decoction in mice  
AU Wang, Liqiang; Wang, Xijun  
CS The 211th Hospital of PLA, Harbin, 150080, Peop. Rep. China  
SO Zhongguo Yiyuan Yaoxue Zazhi (2002), 22(5), 263-264  
CODEN: ZYYAEP; ISSN: 1001-5213  
PB Zhongguo Yiyuan Yaoxue Zazhi Bianjibu  
DT Journal  
LA Chinese

L21 ANSWER 20 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:63212 CA  
TI Preservation of neurological functions by nitric oxide synthase inhibitors following hemorrhagic shock  
AU Ng, Kian Chye; Moochhala, Shabbir M.; Md, Shirhan; Yap, Ee Lin; Low, Siew Yang; Lu, Jia  
CS Defense Science & Technology Agency, Defense Medical Research Institute, Singapore, 117579, Singapore  
SO Neuropharmacology (2003), 44(2), 244-252  
CODEN: NEPHBW; ISSN: 0028-3908  
PB Elsevier Science Ltd.  
DT Journal  
LA English

RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 21 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:63011 CA  
TI Hemostatic effects of atorvastatin versus simvastatin

AU Kadikoylu, Gurhan; Yukselen, Vahit; Yavasoglu, Irfan; Bolaman, Zahit  
CS Department of Internal Medicine, Division of Haematology-Oncology, Medical  
School, Adnan Menderes University, Aydin, Turk.  
SO Annals of Pharmacotherapy (2003), 37(4), 478-484  
CODEN: APHRER; ISSN: 1060-0280  
PB Harvey Whitney Books Co..  
DT Journal  
LA English

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s 1113

L113 NOT FOUND

The L-number entered has not been defined in this session, or it  
has been deleted. To see the L-numbers currently defined in this  
session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s 113

L35 2462 L13

=> s 114

L36 3825 L14

=> s 110

L37 2384 L10

=> s 19

L38 1454 L9

=> s 138 and 135

L39 2 L38 AND L35

=> d 139 1-2.

L39 ANSWER 1 OF 2 CA COPYRIGHT 2003 ACS on STN  
AN 136:314998 CA

TI Compositions for alleviating adverse side effects and/or enhancing  
efficacy of agents inhibiting aromatase

IN Kragie, Laura

PA USA

SO PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002030355	A2	20020418	WO 2001-US32066	20011010
	WO 2002030355	A3	20030206		
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRAI	AU 2002013198	A5	20020422	AU 2002-13198	20011010
	US 2000-239457P	P	20001011		
	WO 2001-US32066	W	20011010		

L39 ANSWER 2 OF 2 CA COPYRIGHT 2003 ACS on STN  
AN 130:77803 CA  
TI Biochemical properties of the products of cytochrome P450 genes (PDA) encoding pisatin demethylase activity in *Nectria haematococca*  
AU George, Helga L.; Hirschi, Kendal D.; VanEtten, Hans D.  
CS Department of Plant Pathology, University of Arizona, Tucson, AZ, 85721, USA  
SO Archives of Microbiology (1998), 170(3), 147-154  
CODEN: AMICCW; ISSN: 0302-8933  
PB Springer-Verlag  
DT Journal  
LA English  
RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 139 2 all

L39 ANSWER 2 OF 2 CA COPYRIGHT 2003 ACS on STN  
AN 130:77803 CA  
TI Biochemical properties of the products of cytochrome P450 genes (PDA) encoding pisatin demethylase activity in *Nectria haematococca*  
AU George, Helga L.; Hirschi, Kendal D.; VanEtten, Hans D.  
CS Department of Plant Pathology, University of Arizona, Tucson, AZ, 85721, USA  
SO Archives of Microbiology (1998), 170(3), 147-154  
CODEN: AMICCW; ISSN: 0302-8933  
PB Springer-Verlag  
DT Journal  
LA English  
CC 7-2 (Enzymes)  
AB Section cross-reference(s): 3, 10, 11  
Pea plants produce the antibiotic (+)pisatin in response to infection by the fungus *Nectria haematococca*, which can detoxify pisatin utilizing a cytochrome P 450 monooxygenase called pisatin demethylase. Genes (PDA) have been identified that encode different whole-cell Pda phenotypes that can be distinguished by the length of the lag period and the resulting amt. of enzyme activity produced: PdaSH = short lag, high activity; PdaSM = short lag, moderate activity; and PdaLL = long lag, low activity. Only the PdaSH and PdaSM phenotypes have been correlated with pathogenicity on pea. In this study, we utilize heterologous expression of the PDALL gene PDA6-1 in *Aspergillus nidulans* to compare the biochem. properties of the product of this gene with the products of the PDASH gene PDA1 expressed in *N. haematococca*. Preliminary measurements were also done on the PDASM gene PDA5 expressed in *N. haematococca*. The PDA gene products differed somewhat in their substrate specificity and in their sensitivity to a few cytochrome P 450 inhibitors. However, the enzymes produced by PDA6-1 and PDA1 both had low apparent Km values toward (+)pisatin (< 0.25 .mu.M) and a common high degree of insensitivity to most P 450 inhibitors, suggesting similar shared biochem. traits as would be expected of products of a highly homologous gene family. Our results indicate that the different whole-cell phenotypes of *N. haematococca* are not due to significant differences in the biochem. properties of the gene products and are consistent with recent results that indicate that the phenotypic differences are due to different degrees of expression of the genes.  
ST pisatin demethylase isoform gene *Nectria*  
IT Gene, microbial  
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)  
(PDA1; biochem. properties of the products of cytochrome P 450 genes (PDA) encoding pisatin demethylase activity in *Nectria haematococca*)  
IT Gene, microbial

RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL  
 (Biological study); PROC (Process)  
 (PDA6-1; biochem. properties of the products of cytochrome P 450 genes  
 (PDA) encoding pisatin demethylase activity in *Nectria haematococca*)  
 IT Michaelis constant  
*Nectria haematococca*  
 (biochem. properties of the products of cytochrome P 450 genes (PDA)  
 encoding pisatin demethylase activity in *Nectria haematococca*)  
 IT 51-03-6, Piperonyl butoxide 54-36-4, Metyrapone 62-68-0, SKF 525a  
 84-60-6, Anthraflavic acid 94-59-7, Safrole 111-86-4, n-Octylamine  
 533-31-3, Sesamol 12771-68-5, Ancymidol 23593-75-1,  
 Clotrimazole 25364-40-3, 1-(2-Isopropylphenyl)imidazole 26766-27-8,  
 Triarimol 35554-44-0, Imazalil 43121-43-3, Triadimephon 53848-03-6  
 55219-65-3, Triadimenol 60168-88-9, Fenarimol 60207-90-1,  
 Propiconazole 60207-93-4, Etaconazole 65277-42-1, Ketoconazole  
 84625-61-6, Itraconazole  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
 study, unclassified); BIOL (Biological study)  
 (biochem. properties of the products of cytochrome P 450 genes (PDA)  
 encoding pisatin demethylase activity in *Nectria haematococca*)  
 IT 50-99-7, D-Glucose, biological studies 469-01-2, (+)Pisatin 1078-19-9,  
 6-Methoxy-1-tetralone 1157-39-7 20186-22-5, (-)Pisatin  
 114817-69-5  
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL  
 (Biological study); PROC (Process)  
 (biochem. properties of the products of cytochrome P 450 genes (PDA)  
 encoding pisatin demethylase activity in *Nectria haematococca*)  
 IT 92228-37-0, Pisatin demethylase  
 RL: BAC (Biological activity or effector, except adverse); BPR (Biological  
 process); BSU (Biological study, unclassified); MFM (Metabolic formation);  
 PRP (Properties); BIOL (Biological study); FORM (Formation,  
 nonpreparative); PROC (Process)  
 (isoforms PDALL and PDASH; biochem. properties of the products of  
 cytochrome P 450 genes (PDA) encoding pisatin demethylase activity in  
*Nectria haematococca*)

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD

- RE
- (1) Barrat, R; Genetics 1965, V52, P233
  - (2) Ciuffetti, L; Mol Plant-Microbe Interact 1996, V9, P787
  - (3) Covert, S; Mol Genet 1996, V251, P397 CA
  - (4) Delserone, L; Phytochemistry 1992, V31, P2933
  - (5) Denny, T; Physiol Plant Pathol 1981, V19, P419 CA
  - (6) Desjardins, A; Plant Physiol 1984, V75, P611 CA
  - (7) Dewick, P; Phytochemistry 1977, V16, P93 CA
  - (8) Gonzalez, F; Trends Genet 1990, V6, P182 MEDLINE
  - (9) Hirschi, K; Mol Plant-Microbe Interact 1996, V9, P483 CA
  - (10) Hirschi, K; PhD Thesis University of Arizona 1994
  - (11) Kistler, H; J Gen Microbiol 1984, V130, P2595 CA
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  - (13) Mackintosh, S; Mol Plant-Microbe Interact 1989, V2, P354
  - (14) Maloney, A; Mol Genet 1994, V243, P506 CA
  - (15) Matthews, D; Arch Biochem Biophys 1983, V224, P494 CA
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- (26) Richardson, T; J Biol Chem 1994, V269, P23937 CA  
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 (29) Soby, S; Phytochemistry 1996, V41, P59  
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 (32) VanEtten, H; Annu Rev Phytopathol 1989, V27, P143 CA  
 (33) VanEtten, H; Arch Microbiol 1981, V129, P56 CA  
 (34) VanEtten, H; Signal molecules in plants and plant-microbe interactions.  
     NATO ASI Series 1989, VH 36, P219  
 (35) Weltring, K; Gene 1988, V68, P335 CA  
 (36) Yoshida, Y; Cytochrome P450 biochemistry biophysics and molecular biology  
     1994, P627

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1	75	S FARNESOL
L2	1	S HEXANOYL SPHINGOSINE
L3	0	S OLEOYL BETAINE
L4	55	S URSOLIC ACID
L5	165	S IONONE
L6	0	S UTRECT-2
L7	1	S UTRECHT 2
L8	5	S BIFONAZOLE
L9	6	S CLOTRIMAZOLE
L10	5	S KETOCONAZOLE
L11	15	S MICONAZOLE
L12	0	S DAIZEDEIN
L13	51	S DAIDZEIN
L14	75	S GENISTEIN
L15	0	S PHYTOESTRAGEN
		E PHYTOESTROGEN
L16	3	S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17	10486	S RETINOL
L18	0	S GLUTAMASE TRANSAMINASE
L19	189	S GLUTAMATE TRANSAMINASE
L20	0	S L19 AND L17
L21	19649	S TRANSAMINASE
L22	24	S L21 AND L17
		E DERMAL
L23	11755	S E3-E11
L24	3285	S L1
		E PHYTOESTROGEN
L25	1454	S E3-E8
L26	1	S L25 AND L23
		E SKIN
L27	184746	S E3
L28	22	S L27 AND L25
L29	0	S RESVESEROL
L30	1408	S RESVERATROL
L31	4	S L30 AND L23
L32	0	S L24 AND L30
		E FUNGUS
L33	40001	S E3
L34	21	S L33 AND L30
L35	2462	S L13

L36 3825 S L14  
L37 2384 S L10  
L38 1454 S L9  
L39 2 S L38 AND L35

=> s 135 and 133  
L40 47 L35 AND L33

=> d 140 20-47

L40 ANSWER 20 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 120:187428 CA  
TI A vesicular arbuscular mycorrhizal **fungus** (*Glomus intraradix*) induces a defense response in alfalfa roots  
AU Volpin, Hanne; Elkind, Yonatan; Okon, Yaakov; Kapulnik, Yoram  
CS Fac. Agric., Hebrew Univ. Jerusalem, Rehovot, 76100, Israel  
SO Plant Physiology (1994), 104(2), 683-9  
CODEN: PLPHAY; ISSN: 0032-0889  
DT Journal  
LA English

L40 ANSWER 21 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 119:177695 CA  
TI Induction and accumulation of phytoalexins in cowpea roots infected with a mycorrhizal **fungus** *Glomus fasciculatum* and their resistance to Fusarium wilt disease  
AU Sundaresan, P.; Raja, N. Ubalthoose; Gunasekaran, P.  
CS Sch. Biol., Madurai Kamaraj Univ., Madurai, 625 021, India  
SO Journal of Biosciences (Bangalore, India) (1993), 18(2), 291-301  
CODEN: JOBSDN; ISSN: 0250-5991  
DT Journal  
LA English

L40 ANSWER 22 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 116:55717 CA  
TI Isoflavonoid phytoalexins from the **fungus**-inoculated leaflets of Erythrina species  
AU Ingham, John L.  
CS Dep. Food Sci., Univ. Reading, Whiteknights/Reading, RG6 2AP, UK  
SO Biochemical Systematics and Ecology (1991), 19(6), 497-506  
CODEN: BSECBU; ISSN: 0305-1978  
DT Journal  
LA English

L40 ANSWER 23 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 115:155157 CA  
TI Stimulation of vesicular-arbuscular mycorrhiza formation and growth of white clover by flavonoid compounds  
AU Siqueira, J. O.; Safir, G. R.; Nair, M. G.  
CS Dep. Bot. Plant Pathol., Michigan State Univ., East Lansing, MI, 48824, USA  
SO New Phytologist (1991), 118(1), 87-93  
CODEN: NEPHAV; ISSN: 0028-646X  
DT Journal  
LA English

L40 ANSWER 24 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 115:109686 CA  
TI Separation and identification of phytoalexins from leaves of groundnut (*Arachis hypogaea*) and development of a method for their determination by reversed-phase high-performance liquid chromatography  
AU Edwards, Christine; Strange, Richard N.

- CS Dep. Biol., Univ. Coll. London, London, WC1E 6BT, UK  
SO Journal of Chromatography (1991), 547(1-2), 185-93  
CODEN: JOCRAM; ISSN: 0021-9673  
DT Journal  
LA English
- L40 ANSWER 25 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 114:184345 CA  
TI Influence of nitrogen on accumulation of isosojagol (a newly detected coumestan in soybean) and associated isoflavonoids in roots and nodules of mycorrhizal and non-mycorrhizal soybean  
AU Morandi, D.; Le Quere, J. L.  
CS Lab. Phytoparasitol., INRA, Dijon, 21034, Fr.  
SO New Phytologist (1991), 117(1), 75-9  
CODEN: NEPHAV; ISSN: 0028-646X  
DT Journal  
LA English
- L40 ANSWER 26 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 113:37827 CA  
TI Stress responses in alfalfa (*Medicago sativa* L.). I. Induction of phenylpropanoid biosynthesis and hydrolytic enzymes in elicitor-treated cell suspension cultures  
AU Dalkin, Karen; Edwards, Robert; Edington, Brent; Dixon, Richard A.  
CS Plant Biol. Div., Samuel Roberts Noble Found., Ardmore, OK, 73402, USA  
SO Plant Physiology (1990), 92(2), 440-6  
CODEN: PLPHAY; ISSN: 0032-0889  
DT Journal  
LA English
- L40 ANSWER 27 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 112:195386 CA  
TI Isoflavonoid changes in soybean cell suspensions when challenged with intact bacteria or fungal elicitors  
AU Zacharius, Robert M.; Kalan, Edwin B.  
CS Climate Stress Lab., U.S. Dep. Agric., Beltsville, MD, 20705, USA  
SO Journal of Plant Physiology (1990), 135(6), 732-6  
CODEN: JPPHEY; ISSN: 0176-1617  
DT Journal  
LA English
- L40 ANSWER 28 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 112:93909 CA  
TI Effect of xenobiotics on endomycorrhizal infection and isoflavonoid accumulation in soybean roots  
AU Morandi, Dominique  
CS Lab. Phytoparasitol., INRA, Dijon, 21034, Fr.  
SO Plant Physiology and Biochemistry (Paris, France) (1989), 27(5), 697-701  
CODEN: PPBIEX; ISSN: 0981-9428  
DT Journal  
LA English
- L40 ANSWER 29 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 110:111910 CA  
TI Elicitor-induced changes of enzyme activities related to isoflavone and pterocarpan accumulation in chickpea (*Cicer arietinum* L.) cell suspension cultures  
AU Daniel, Susanne; Hinderer, Walter; Barz, Wolfgang  
CS Westfaelische Wilhelms-Univ., Muenster, D-4400, Fed. Rep. Ger.  
SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (1988), 43(7-8), 536-44  
CODEN: ZNCBDA; ISSN: 0341-0382

- DT Journal  
LA English
- L40 ANSWER 30 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 110:111909 CA  
TI Elicitation of pterocarpan phytoalexins in cell suspension cultures of different chickpea (*Cicer arietinum L.*) cultivars by an elicitor from the **fungus Ascochyta rabiei**  
AU Kessmann, Helmut; Daniel, Susanne; Barz, Wolfgang  
CS Westfaelische Wilhelms-Univ., Muenster, D-4400, Fed. Rep. Ger.  
SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (1988), 43(7-8), 529-35  
CODEN: ZNCBDA; ISSN: 0341-0382  
DT Journal  
LA English
- L40 ANSWER 31 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 110:72246 CA  
TI Growth-regulating metabolites of the **fungus Monilia sp**  
AU Arinbasarov, M. U.; Murygina, V. P.; Adanin, V. M.; Sakharovskii, V. G.; Nefedova, M. Yu.; Gerasimova, N. M.; Kozlovskii, A. G.  
CS Inst. Biochem. Physiol. Microorg., Pushchino, USSR  
SO Prikladnaya Biokhimiya i Mikrobiologiya (1988), 24(6), 754-9  
CODEN: PBMIAK; ISSN: 0555-1099  
DT Journal  
LA Russian
- L40 ANSWER 32 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 106:192987 CA  
TI Accumulation of isoflavones and pterocarpan phytoalexins in cell suspension cultures of different cultivars of chickpea (*Cicer arietinum*)  
AU Kessmann, Helmut; Barz, Wolfgang  
CS Westfael. Wilhelms-Univ., Muenster, D-4400, Fed. Rep. Ger.  
SO Plant Cell Reports (1987), 6(1), 55-9  
CODEN: PCRPD8; ISSN: 0721-7714  
DT Journal  
LA English
- L40 ANSWER 33 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 106:99567 CA  
TI Elicitation and suppression of phytoalexin and isoflavone accumulation in cotyledons of *Cicer arietinum L.* as caused by wounding and by polymeric components from the **fungus Ascochyta rabiei**  
AU Kessmann, H.; Barz, W.  
CS Westfael. Wilhelms-Univ., Muenster, D-4400, Fed. Rep. Ger.  
SO Journal of Phytopathology (1986), 117(4), 321-35  
CODEN: JPHYEB; ISSN: 0931-1785  
DT Journal  
LA English
- L40 ANSWER 34 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 106:15610 CA  
TI Structure-related fungitoxicity of isoflavanoids  
AU Adesanya, S. A.; O'Neill, Melanie J.; Roberts, Margaret F.  
CS Sch. Pharm., Univ. London, London, WC1N 1AX, UK  
SO Physiological and Molecular Plant Pathology (1986), 29(1), 95-103  
CODEN: PMPPEZ; ISSN: 0885-5765  
DT Journal  
LA English
- L40 ANSWER 35 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 104:126740 CA

- TI Phytoalexin production by isolated soybean protoplasts  
AU Mieth, Hannelore; Speth, Volker; Ebel, Juergen  
CS Biol. Inst. II, Univ. Freiburg, Freiburg, D-7800, Fed. Rep. Ger.  
SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (1986),  
41(1-2), 193-201  
CODEN: ZNCBDA; ISSN: 0341-0382  
DT Journal  
LA English
- L40 ANSWER 36 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 103:102150 CA  
TI Stimulation of isoflavonoid content in subterranean clover by infection  
with a **fungus**  
AU Parbery, D. G.; Gardner, W. K.; Golebiowski, T.  
CS Sch. Agric. For., Univ. Melbourne, Parkville, 3052, Australia  
SO Journal of the Australian Institute of Agricultural Science (1984), 50(2),  
114-16  
CODEN: JAUSAH; ISSN: 0045-0545  
DT Journal  
LA English
- L40 ANSWER 37 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 101:51881 CA  
TI Phytoalexin synthesis in soybean cells: elicitor induction of  
phenylalanine ammonia-lyase and chalcone synthase mRNAs and correlation  
with phytoalexin accumulation  
AU Ebel, Juergen; Schmidt, Walter E.; Loyal, Rosemarie  
CS Biol. Inst. II, Univ. Freiburg, Freiburg, D-7800, Fed. Rep. Ger.  
SO Archives of Biochemistry and Biophysics (1984), 232(1), 240-8  
CODEN: ABBIA4; ISSN: 0003-9861  
DT Journal  
LA English
- L40 ANSWER 38 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 100:31689 CA  
TI High-performance liquid chromatography of isoflavones and phytoalexins  
from *Cicer arietinum*  
AU Koester, J.; Zuzok, A.; Barz, W.  
CS Univ. Muenster, Muenster, D-4400, Fed. Rep. Ger.  
SO Journal of Chromatography (1983), 270, 392-5  
CODEN: JOCRAM; ISSN: 0021-9673  
DT Journal  
LA English
- L40 ANSWER 39 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 96:65854 CA  
TI Isolation and identification of *Cicer* isoflavonoids  
AU Ingham, John L.  
CS Dep. Bot., Univ. Reading, Reading, RG6 2AS, UK  
SO Biochemical Systematics and Ecology (1981), 9(2-3), 125-8  
CODEN: BSECBU; ISSN: 0305-1978  
DT Journal  
LA English
- L40 ANSWER 40 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 96:17370 CA  
TI Phaseolin metabolism and tolerance in *Fusarium solani* f. sp. phaseoli  
AU Kistler, H. C.; VanEtten, H. D.  
CS Dep. Plant Pathol., Cornell Univ., Ithaca, NY, 14853, USA  
SO Physiological Plant Pathology (1981), 19(2), 257-71  
CODEN: PPPYBC; ISSN: 0048-4059  
DT Journal

- LA English
- L40 ANSWER 41 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 94:80246 CA  
TI Tectorigenin, a phytoalexin of *Centrosema haitiense* and other *Centrosema* species  
AU Markham, Kenneth R.; Ingham, John L.  
CS Dep. Bot., Univ. Reading, Reading, RG6 2AS, UK  
SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (1980), 35C(11-12), 919-22  
CODEN: ZNCBDA; ISSN: 0341-0382  
DT Journal  
LA English
- L40 ANSWER 42 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 91:16842 CA  
TI Isoflavonoid phytoalexins of the genus *Medicago*  
AU Ingham, John L.  
CS Dep. Bot., Univ. Reading, Reading, RG6 2AS, UK  
SO Biochemical Systematics and Ecology (1979), 7(1), 29-34  
CODEN: BSECBU; ISSN: 0305-1978  
DT Journal  
LA English
- L40 ANSWER 43 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 88:148965 CA  
TI Flavonoid and isoflavonoid compounds from leaves of sainfoin (*Onobrychis viciifolia*)  
AU Ingham, John L.  
CS Dep. Bot., Univ. Reading, Reading, UK  
SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (1978), 33C(1-2), 146-8  
CODEN: ZNCBDA; ISSN: 0939-5075  
DT Journal  
LA English
- L40 ANSWER 44 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 85:156675 CA  
TI Induced isoflavonoids from **fungus**-infected stems of pigeon pea (*Cajanus cajan*)  
AU Ingham, John L.  
CS Dep. Bot., Univ. Reading, Reading, UK  
SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (1976), 31C(9-10), 504-8  
CODEN: ZNCBDA; ISSN: 0939-5075  
DT Journal  
LA English
- L40 ANSWER 45 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 85:119778 CA  
TI Changes in the isoflavones and pterocarpans of red clover on infection with *Sclerotinia trifoliorum* and *Botrytis cinerea*  
AU Debnam, J. R.; Smith, I. M.  
CS Bot. Dep., Imp. Coll., London, UK  
SO Physiological Plant Pathology (1976), 9(1), 9-23  
CODEN: PPPYBC; ISSN: 0048-4059  
DT Journal  
LA English
- L40 ANSWER 46 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 84:145868 CA  
TI Effects of the structure of phenolic compounds on the inhibition of

AU Phytophthora parasitica and on lytic enzymes. I. Isoflavonoids and coumestans  
AU Ravise, A.; Kirkiacharian, B. S.  
CS Fac. Francaise Med. Pharm. Beyrouth, ORSTOM, Beirut, Lebanon  
SO Phytopathologische Zeitschrift (1976), 85(1), 74-85  
CODEN: PHYZA3; ISSN: 0031-9481  
DT Journal  
LA French

L40 ANSWER 47 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 76:138316 CA  
TI Biosynthesis of hydroxyphaseollin and related isoflavanoids in disease-resistant soybean hypocotyls  
AU Keen, N. T.; Zaki, A. I.; Sims, J. J.  
CS Dep. Plant Pathol., Univ. California, Riverside, CA, USA  
SO Phytochemistry (Elsevier) (1972), 11(3), 1031-9  
CODEN: PYTCAS; ISSN: 0031-9422  
DT Journal  
LA English

=> d 140 1-19

L40 ANSWER 1 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 139:19617 CA  
TI Flavonoid levels in roots of *Medicago sativa* are modulated by the developmental stage of the symbiosis and the root colonizing arbuscular mycorrhizal fungus  
AU Larose, Genevieve; Chenevert, Robert; Moutoglis, Peter; Gagne, Serge; Piche, Yves; Vierheilig, Horst  
CS Departement de Chimie, Faculte des Sciences et de Genie, Universite Laval, Ste-Foy, QC, G1K 7P4, Can.  
SO Journal of Plant Physiology (2002), 159(12), 1329-1339  
CODEN: JPPHEY; ISSN: 0176-1617  
PB Urban & Fischer Verlag GmbH & Co. KG  
DT Journal  
LA English

RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 2 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 138:382214 CA  
TI Phytoalexin accumulation in Colombian bean varieties and aminosugars as elicitors  
AU Durango, Diego; Quinones, Winston; Torres, Fernando; Rosero, Yoni; Gil, Jesus; Echeverri, Fernando  
CS Inst. Chem., Univ. Antioquia, Medellin, Colombia  
SO Molecules (2002), 7(11), 817-832  
CODEN: MOLEFW; ISSN: 1420-3049  
URL: <http://www.mdpi.org/molecules/papers/71100817.pdf>  
PB Molecular Diversity Preservation International  
DT Journal; (online computer file)  
LA English

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 3 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 138:150332 CA  
TI Nitric oxide synthase-mediated phytoalexin accumulation in soybean cotyledons in response to the *Diaporthe phaseolorum* f. sp. *meridionalis* elicitor  
AU Modolo, Luzia Valentina; Cunha, Fernando Queiroz; Braga, Marcia Regina;

Salgado, Ione  
CS Departamento de Bioquimica, Instituto de Biologia, Universidade Estadual  
de Campinas, Campinas, 13083-970, Brazil  
SO Plant Physiology (2002), 130(3), 1288-1297  
CODEN: PLPHAY; ISSN: 0032-0889  
PB American Society of Plant Biologists  
DT Journal  
LA English

RE.CNT 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 4 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 137:168390 CA  
TI preparation of statins by fermentation for use in foods  
IN Van Oorschot, Gijsbertus Johannes; Ter Schure, Eelco; Trautwein, Elke  
PA Unilever N.V., Neth.; Unilever PLC; Hindustan Lever Ltd.  
SO PCT Int. Appl., 34 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002064809	A2	20020822	WO 2002-EP999	20020130
	WO 2002064809	A3	20030424		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 2003104004	A1	20030605	US 2002-72580	20020208
	US 2003108657	A1	20030612	US 2002-72570	20020208
	EP 2001-200489	A	20010209		
	EP 2001-200493	A	20010209		

L40 ANSWER 5 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 136:352507 CA  
TI Antifungal activity of 4',7-dimethoxyisoflavone against some fungi  
AU Pandey, M. K.; Pandey, R.; Singh, V. P.; Pandey, V. B.; Singh, U. P.  
CS Department of Mycology and Plant Pathology, Institute of Agricultural  
Sciences, Banaras Hindu University, Varanasi, 221 005, India  
SO Mycobiology (2002), 30(1), 55-56  
CODEN: MYCOBF; ISSN: 1229-8093  
PB Korean Society of Mycology  
DT Journal  
LA English

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 6 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 135:285681 CA  
TI Influence of flavonoid compounds on VA mycorrhiza Glomus mosseae and  
alfalfa plants  
AU Shalaby, A. M.  
CS Botany Department, Faculty of Science, Cairo University, Cairo, Egypt  
SO Egyptian Journal of Microbiology (2001), Volume Date 2000, 35(2), 225-238  
CODEN: EJMBAA; ISSN: 0301-8172  
PB National Information and Documentation Centre

DT Journal  
LA English

RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 7 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 135:284858 CA  
TI Characterization of Pisatin-Inducible Cytochrome P450s in Fungal Pathogens of Pea That Detoxify the Pea Phytoalexin Pisatin  
AU George, Helga L.; VanEtten, Hans D.  
CS Department of Plant Pathology, University of Arizona, Tucson, AZ, 85721, USA  
SO Fungal Genetics and Biology (2001), 33(1), 37-48  
CODEN: FGBIFV; ISSN: 1087-1845  
PB Academic Press  
DT Journal  
LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 8 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 135:1602 CA  
TI Repellent activity of estrogenic compounds toward zoospores of the phytopathogenic fungus Aphanomyces cochlioides  
AU Islam, M. Tofazzal; Tahara, Satoshi  
CS Division of Applied Bioscience, Graduate School of Agriculture, Hokkaido University, Sapporo, 060-8589, Japan  
SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (2001), 56(3/4), 253-261  
CODEN: ZNCBDA; ISSN: 0939-5075  
PB Verlag der Zeitschrift fuer Naturforschung  
DT Journal  
LA English

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 9 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 132:262124 CA  
TI Preparation of microbial diglycosidase capable of cleaving disaccharide glycosides and cloning of gene for diglycosidase of Aspergillus fumigatus  
IN Yamamoto, Shigeru; Okada, Masamichi; Usui, Taichi; Sakata, Kanzo; Toumoto, Atsuki; Tsuruhama, Kazutaka  
PA Amano Pharmaceutical Co., Ltd., Japan  
SO PCT Int. Appl., 74 pp.  
CODEN: PIXXD2  
DT Patent  
LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000018931	A1	20000406	WO 1999-JP5346	19990929
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
CA 2344458	AA	20000406	CA 1999-2344458	19990929
AU 9959988	A1	20000417	AU 1999-59988	19990929

EP 1118667 A1 20010725 EP 1999-969743 19990929  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO  
PRAI JP 1998-294675 A 19980930  
WO 1999-JP5346 W 19990929  
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 10 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 130:77803 CA  
TI Biochemical properties of the products of cytochrome P450 genes (PDA)  
encoding pisatin demethylase activity in *Nectria haematococca*  
AU George, Helga L.; Hirsch, Kendal D.; VanEtten, Hans D.  
CS Department of Plant Pathology, University of Arizona, Tucson, AZ, 85721,  
USA  
SO Archives of Microbiology (1998), 170(3), 147-154  
CODEN: AMICCW; ISSN: 0302-8933  
PB Springer-Verlag  
DT Journal  
LA English  
RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 11 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 129:202455 CA  
TI Influence of phosphorus and formononetin on isoenzyme expression in the  
*Zea mays*-*Glomus intraradices* symbiosis  
AU Fries, Leadir L. M.; Pacovsky, Raymond S.; Safir, Gene R.  
CS Dept of Botany and Plant Pathology, Michigan State Univ., East Lansing,  
MI, 48824, USA  
SO Physiologia Plantarum (1998), 103(2), 172-180  
CODEN: PHPLAI; ISSN: 0031-9317  
PB Munksgaard International Publishers Ltd.  
DT Journal  
LA English  
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L40 ANSWER 12 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 126:340003 CA  
TI Soil-applied synthetic formononetin stimulates arbuscular mycorrhizal  
formation in corn and soybean  
AU da Silva-Junior, Jose Pereira; Siqueira, Jose Oswaldo  
CS Dep. Ciencia Solo, Univ. Federal Lavras, Lavras, 37200-000, Brazil  
SO Revista Brasileira de Fisiologia Vegetal (1997), 9(1), 35-41  
CODEN: RBFVEG; ISSN: 0103-3131  
PB Sociedade Brasileira de Fisiologia Vegetal  
DT Journal  
LA Portuguese

L40 ANSWER 13 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 126:248916 CA  
TI Synthesis and degradation of phytoalexins in alfalfa  
AU Edwards, R.; Parry, A. D.; Gregory, A. C. E.; Tiller, S. A.; Daniell, T.  
J.  
CS Department of Biological Sciences, University of Durham, Durham, DH1 3LE,  
UK  
SO Acta Horticulturae (1994), 381(International Symposium on Natural Phenols  
in Plant Resistance, Vol. 1), 214-226  
CODEN: AHORA2; ISSN: 0567-7572  
PB International Society for Horticultural Science  
DT Journal

- LA English
- L40 ANSWER 14 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 125:274667 CA  
TI Expression of isoenzymes altered by both Glomus intraradices colonization and formononetin application in corn (*Zea mays L.*) roots  
AU Fries, Leadir L. M.; Pacovsky, Raymond S.; Safir, Gene R.  
CS Dep. Bot. Plant Pathol., Michigan State Univ., East Lansing, MI, 48824, USA  
SO Soil Biology & Biochemistry (1996), 28(8), 981-988  
CODEN: SBIOAH; ISSN: 0038-0717  
PB Elsevier  
DT Journal  
LA English
- L40 ANSWER 15 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 125:5642 CA  
TI Suppression of fungal .beta.-glucan-induced plant defense in soybean (*Glycine max L.*) by cyclic 1,3-1,6-.beta.-glucans from the symbiont *Bradyrhizobium japonicum*  
AU Mithoeer, Axel; Bhagwat, Arvind A.; Feger, Markus; Ebel, Juergen  
CS Botanisches Institut der Universitaet, Munich, D-80638, Germany  
SO Planta (1996), 199(2), 270-275  
CODEN: PLANAB; ISSN: 0032-0935  
PB Springer  
DT Journal  
LA English
- L40 ANSWER 16 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 123:139205 CA  
TI Rhizobial nodulation factors stimulate mycorrhizal colonization of nodulating and nonnodulating soybeans  
AU Xie, Zhi-Ping; Staehelin, Christian; Vierheilig, Horst; Wiemken, Andres; Jabbouri, Saied; Broughton, William J.; Voegeli-Lange, Regina; Boller, Thomas  
CS Botanisches Inst., Univ. Basel, Basel, CH-4056, Switz.  
SO Plant Physiology (1995), 108(4), 1519-25  
CODEN: PLPHAY; ISSN: 0032-0889  
PB Dekker  
DT Journal  
LA English
- L40 ANSWER 17 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 123:139090 CA  
TI Suppression of an isoflavanoid phytoalexin defense response in mycorrhizal alfalfa roots.  
AU Volpin, Hanne; Phillips, Donald A.; Okon, Yaakov; Kapulnik, Yoram  
CS Fac. Agric., Hebrew Univ. Jerusalem, Rehovot, 76100, Israel  
SO Plant Physiology (1995), 108(4), 1449-54  
CODEN: PLPHAY; ISSN: 0032-0889  
PB Dekker  
DT Journal  
LA English
- L40 ANSWER 18 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 123:5272 CA  
TI Effect of flavonoids on spore germination and asymbiotic growth of the arbuscular mycorrhizal fungus *Gigaspora gigantea*  
AU Baptista, Mirian Josefina; Siqueira, Jose Oswaldo  
CS Departamento de Ciencia do Solo, Escola Superior de Agricultura de Lavras, Lavras, 37200-000, Brazil  
SO Revista Brasileira de Fisiologia Vegetal (1994), 6(2), 127-34

CODEN: RBFVEG; ISSN: 0103-3131  
DT Journal  
LA Portuguese

L40 ANSWER 19 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 122:156104 CA  
TI Structure-activity relationships among isoflavonoids with regard to their antifungal properties  
AU Weidenboerner, Martin; Jha, Hem Chandra  
CS Institut fur Lebensmitteltechnologie, Universitat Bonn, Bonn, 53117, Germany  
SO Mycological Research (1994), 98(12), 1376-8  
CODEN: MYCRER; ISSN: 0953-7562  
DT Journal  
LA English

=> d 140 19 all

L40 ANSWER 19 OF 47 CA COPYRIGHT 2003 ACS on STN  
AN 122:156104 CA  
TI Structure-activity relationships among isoflavonoids with regard to their antifungal properties  
AU Weidenboerner, Martin; Jha, Hem Chandra  
CS Institut fur Lebensmitteltechnologie, Universitat Bonn, Bonn, 53117, Germany  
SO Mycological Research (1994), 98(12), 1376-8  
CODEN: MYCRER; ISSN: 0953-7562  
DT Journal  
LA English  
CC 10-5 (Microbial, Algal, and Fungal Biochemistry)  
AB In order to establish a structure-activity relationship in the class of isoflavonoids, 16 differently substituted isoflavonoids were tested against Alternaria alternata, Cladosporium herbarum, Fusarium oxysporum and Trichoderma harzianum. The isoflavanones, 6,7-dihydroxy-4'-methoxy- and 7-hydroxy-8,4'-dimethylisoflavanone, showed highest antifungal activity in the case of C. herbarum as test fungus. The unreduced structure of the isoflavones has less inhibitory effect on the growth of the test fungi, whereas the completely reduced isoflavones, i.e., the isoflavans, showed only a very weak activity.  
ST isoflavonoid antifungal  
IT Molecular structure-biological activity relationship  
(fungicidal, structure-activity relationships among isoflavonoids with regard to their antifungal properties)  
IT Flavonoids  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(iso-, structure-activity relationships among isoflavonoids with regard to their antifungal properties)  
IT 485-72-3 486-66-8 491-80-5 574-12-9 897-46-1  
20816-28-8 37816-19-6 76397-85-8 76397-87-0 116718-49-1  
116718-63-9 116718-91-3 116718-92-4 161150-20-5 161150-21-6  
161150-22-7  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(structure-activity relationships among isoflavonoids with regard to their antifungal properties)

=> s 117 and 133  
L41 11 L17 AND L33

=> d 141 1-11

L41 ANSWER 1 OF 11 CA COPYRIGHT 2003 ACS on STN  
AN 123:138389 CA  
TI Environmental and developmental regulation of carotenogenesis in the dimorphic **fungus** *Mucor rouxii*  
AU Mosqueda-Cano, Gilberto; Gutierrez-Corona, J. Felix  
CS Facultad Quimica, Univ. Guanajuato, Gto, 36000, Mex.  
SO Current Microbiology (1995), 31(3), 141-5  
CODEN: CUMIDD; ISSN: 0343-8651  
PB Springer  
DT Journal  
LA English

L41 ANSWER 2 OF 11 CA COPYRIGHT 2003 ACS on STN  
AN 119:269200 CA  
TI Microbial manufacture of retinoids from .beta.-carotene  
IN Yanai, Takaaki; Tsunekawa, Hiroshi; Okamura, Kazuhiko; Okamoto, Rokuro  
PA Merushan Kk, Japan  
SO Jpn. Kokai Tokkyo Koho, 5 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 05219964	A2	19930831	JP 1991-232558	19910821
PRAI JP 1991-232558		19910821		

L41 ANSWER 3 OF 11 CA COPYRIGHT 2003 ACS on STN  
AN 118:190113 CA  
TI Fermentative manufacture of retinoic acid from retinoids  
IN Yanai, Takaaki; Tsunekawa, Hiroshi; Okamura, Kazuhiko; Okamoto, Rokuro  
PA Mercian Corp., Japan  
SO Jpn. Kokai Tokkyo Koho, 6 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 05000091	A2	19930108	JP 1991-174715	19910620
PRAI JP 1991-174715		19910620		
OS MARPAT 118:190113				

L41 ANSWER 4 OF 11 CA COPYRIGHT 2003 ACS on STN  
AN 118:76991 CA  
TI Preparation of astaxanthin-accumulating microorganisms for manufacture of astaxanthin-containing cells or purified carotenoid  
IN Villadsen, Ingrid Stampe  
PA Den.  
SO PCT Int. Appl., 38 pp.  
CODEN: PIXXD2  
DT Patent  
LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9222648	A1	19921223	WO 1992-DK186	19920615
W: AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG, MN, MW, NL, NO, PL, RO, RU, SD, SE, US				
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN,				

GR, IT, LU, MC, ML, MR, NL, SE, SN, TD, TG  
CA 2111477 AA 19921223 CA 1992-2111477 19920615  
AU 9219851 A1 19930112 AU 1992-19851 19920615  
NO 9304613 A 19940214 NO 1993-4613 19931214  
PRAI DK 1991-1151 19910614  
WO 1992-DK186 19920615

L41 ANSWER 5 OF 11 CA COPYRIGHT 2003 ACS on STN  
AN 117:170017 CA  
TI Utilization of a natural .beta.-carotene stereoisomers mixture from the **fungus** *Phycomyces blakesleeanus* as a source of vitamin A and .beta.-carotene in rats' diet  
AU Shlomai, P.; Ben-Amotz, A.; Margalith, P.; Mokady, S.  
CS Dep. Food Eng. Biotechnol., Technion-Israel Inst. Technol., Haifa, 3200, Israel  
SO Journal of Nutritional Biochemistry (1992), 3(8), 415-20  
CODEN: JNBIEL; ISSN: 0955-2863  
DT Journal  
LA English

L41 ANSWER 6 OF 11 CA COPYRIGHT 2003 ACS on STN  
AN 116:102446 CA  
TI Genetic interactions in the regulation of carotenogenesis in *Phycomyces*  
AU Salgado, Luis M.; Cerdá-Olmedo, Enrique  
CS Dep. Genet. Biotec., Univ. Sevilla, Seville, E-41080, Spain  
SO Current Genetics (1992), 21(1), 67-71  
CODEN: CUGED5; ISSN: 0172-8083  
DT Journal  
LA English

L41 ANSWER 7 OF 11 CA COPYRIGHT 2003 ACS on STN  
AN 115:131684 CA  
TI Correlation between *in vivo* and *in vitro* carotenogenesis in *Phycomyces*  
AU Salgado, Luis M.; Ávalos, Javier; Bejarano, Eduardo R.; Cerdá-Olmedo, Enrique  
CS Fac. Biol., Univ. Sevilla, Sevilla, Spain  
SO Phytochemistry (1991), 30(8), 2587-91  
CODEN: PYTCAS; ISSN: 0031-9422  
DT Journal  
LA English

L41 ANSWER 8 OF 11 CA COPYRIGHT 2003 ACS on STN  
AN 112:73634 CA  
TI Carotene-superproducing mutants of *Phycomyces blakesleeanus*  
AU Salgado, Luis M.; Bejarano, Eduardo R.; Cerdá-Olmedo, Enrique  
CS Dep. Genet. Biotec., Univ. Sevilla, Seville, E-41080, Spain  
SO Experimental Mycology (1989), 13(4), 332-6  
CODEN: EXMYD2; ISSN: 0147-5975  
DT Journal  
LA English

L41 ANSWER 9 OF 11 CA COPYRIGHT 2003 ACS on STN  
AN 105:222392 CA  
TI Sexual activation of carotenogenesis in *Phycomyces blakesleeanus*  
AU Govind, N. S.; Cerdá-Olmedo, E.  
CS Fac. Biol., Univ. Sevilla, Seville, E-41080, Spain  
SO Journal of General Microbiology (1986), 132(10), 2775-80  
CODEN: JGMIAN; ISSN: 0022-1287  
DT Journal  
LA English

L41 ANSWER 10 OF 11 CA COPYRIGHT 2003 ACS on STN

AN 105:168992 CA  
TI Chemical modification of carotenogenesis in Gibberella fujikuroi  
AU Avalos, J.; Cerdá-Olmedo, E.  
CS Fac. Biol., Univ. Sevilla, Seville, Spain  
SO Phytochemistry (1986), 25(8), 1837-41  
CODEN: PYTCAS; ISSN: 0031-9422  
DT Journal  
LA English

L41 ANSWER 11 OF 11 CA COPYRIGHT 2003 ACS on STN  
AN 85:106517 CA  
TI Effect of vitamin A on biosynthesis of carotene by Blakeslea trispora  
AU Feofilova, E. P.; Bekhtereva, M. N.  
CS Inst. Mikrobiol., Moscow, USSR  
SO Mikrobiologiya (1976), 45(3), 557-8  
CODEN: MIKBA5; ISSN: 0026-3656  
DT Journal  
LA Russian

=> s vitamin a  
164361 VITAMIN .  
16670350 A  
L42 28516 VITAMIN A  
(VITAMIN(W)A)

=> s l42 and l33  
L43 26 L42 AND L33

=> s l43 not l41  
L44 24 L43 NOT L41

=> d 144 1-24

L44 ANSWER 1 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 137:336802 CA  
TI Process for the simultaneous production of xylitol and ethanol by  
fermentation of lignocelluloses  
IN Eroma, Olli-Pekka; Heikkila, Heikki; Ojamo, Heikki; Sarmala, Paivi; Hyoky,  
Goran; Rahkila, Leena; Sarkki, Marja-Leena; Viljava, Tapio  
PA Finland  
SO U.S. Pat. Appl. Publ., 29 pp., Cont.-in-part of U.S. Ser. No. 928,893.  
CODEN: USXXCO

DT Patent  
LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002164731	A1	20021107	US 2001-35476	20011025
	FI 9000220	A	19910716	FI 1990-220	19900115
	FI 86440	B	19920515		
	FI 86440	C	19920825		
	EP 1306442	A2	20030502	EP 2002-23962	20021025
	EP 1306442	A3	20030702		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
PRAI	FI 1990-220	A	19900115		
	US 1992-910133	B1	19920714		
	US 1997-928893	A2	19970912		
	US 2001-35476	A	20011025		
OS	CASREACT 137:336802				

L44 ANSWER 2 OF 24 CA COPYRIGHT 2003 ACS on STN  
 AN 135:106756 CA  
 TI Tasco-forage: I. Influence of a seaweed extract on antioxidant activity in tall fescue and in ruminants  
 AU Fike, J. H.; Allen, V. G.; Schmidt, R. E.; Zhang, X.; Fontenot, J. P.; Bagley, C. P.; Ivy, R. L.; Evans, R. R.; Coelho, R. W.; Wester, D. B.  
 CS Departments of Crop and Soil Environmental Sciences, Virginia Polytechnic Institute and State University, Blacksburg, 24061, USA  
 SO Journal of Animal Science (Savoy, IL, United States) (2001), 79(4), 1011-1021  
 CODEN: JANSAG; ISSN: 0021-8812  
 PB American Society of Animal Science  
 DT Journal  
 LA English  
 RE.CNT 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L44 ANSWER 3 OF 24 CA COPYRIGHT 2003 ACS on STN  
 AN 119:78912 CA  
 TI Monitoring genotoxic exposure in uranium miners  
 AU Sram, Radim J.; Binkova, Blanka; Dobias, Lubomir; Rossner, Pavel; Topinka, Jan; Vesela, Doubravka; Vesely, Drahomir; Stejskalova, Jana; Bavorova, Hana; Rericha, Vladimir  
 CS Inst. Exp. Med., Czech. Acad. Sci., Prague, 120 00, Czech.  
 SO Environmental Health Perspectives (1993), 99, 303-5  
 CODEN: EVHPAZ; ISSN: 0091-6765  
 DT Journal  
 LA English

L44 ANSWER 4 OF 24 CA COPYRIGHT 2003 ACS on STN  
 AN 118:95549 CA  
 TI Study of the nutritive value and usage of Nostoc commune Vauch  
 AU He, Baozhen; Li, Yixian  
 CS Agric. Bur. Lu Liang Prefect., Peop. Rep. China  
 SO Shanxi Daxue Xuebao, Ziran Kexueban (1991), 14(1), 93-6  
 CODEN: SDXKDT; ISSN: 0253-2395  
 DT Journal  
 LA Chinese

L44 ANSWER 5 OF 24 CA COPYRIGHT 2003 ACS on STN  
 AN 108:44049 CA  
 TI Pharmaceutical compositions containing propylene glycol and/or polyethylene glycol and urea as active main components and use thereof in treatment of skin disorders  
 IN Moberg, Sven  
 PA Swed.  
 SO PCT Int. Appl., 43 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8704617	A1	19870813	WO 1987-SE53	19870204
	W:	AU, BB, BG, BR, DK, FI, HU, JP, KP, KR, LK, MC, MG, MW, NO, RO, SD, SU, US			
	RW:	AT, BE, CF, CG, CH, CM, DE, FR, GA, GB, IT, LU, ML, MR, NL, SE, SN, TD, TG			
	SE 8600501	A	19870805	SE 1986-501	19860204
	SE 462139	B	19900514		
	SE 462139	C	19900906		
	AU 8770239	A1	19870825	AU 1987-70239	19870204

AU	599086	B2	19900712		
EP	292495	A1	19881130	EP 1987-901161	19870204
EP	292495	B1	19910918		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT	67409	E	19911015	AT 1987-901161	19870204
DK	8705193	A	19871002	DK 1987-5193	19871002
DK	165440	B	19921130		
DK	165440	C	19930413		
NO	8704150	A	19871202	NO 1987-4150	19871002
NO	174764	B	19940328		
NO	174764	C	19940706		
CA	1330198	A1	19940614	CA 1988-573123	19880727
US	5525635	A	19960611	US 1993-150245	19931109
PRAI	SE 1986-501		19860204		
	EP 1987-901161		19870204		
	WO 1987-SE53		19870204		
	US 1988-230375		19880921		
	US 1990-590432		19900927		
	US 1992-964104		19921008		

L44 ANSWER 6 OF 24 CA COPYRIGHT 2003 ACS on STN  
 AN 102:154827 CA  
 TI Antibiotic composition for veterinary use  
 IN Speecke, Andre  
 PA S.S.M. International Chemical Co. Ltd., St. Vincent  
 SO PCT Int. Appl., 8 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8404249	A2	19841108	WO 1984-BE12	19840502
	WO 8404249	A3	19850314		
	W: DK, JP, US				
	RW: AT, BE, CH, DE, FR, GB, LU, NL, SE				
ZA	8403277	A	19841224	ZA 1984-3277	19840502
EP	150186	A1	19850807	EP 1984-901729	19840502
	R: AT, BE, CH, DE, FR, GB, LI, LU, NL, SE				
CA	1221635	A1	19870512	CA 1984-453413	19840502
JP	01500746	T2	19890316	JP 1984-501885	19840502
DK	8500035	A	19850103	DK 1985-35	19850103
PRAI	LU 1983-84786		19830503		
	WO 1984-BE12		19840502		

L44 ANSWER 7 OF 24 CA COPYRIGHT 2003 ACS on STN  
 AN 102:137771 CA  
 TI Microbial contamination of a vitamin A formulation,  
 prepared in local pharmacies, and its preservation against yeasts and  
 molds  
 AU Van Doorn, H.; Scheffers, W. A.; Hadiutomo, Melanie; Van den Bosch, E.  
 CS Subfac. Pharm., State Univ. Leiden, Leiden, 2300 RA, Neth.  
 SO Antonie van Leeuwenhoek (1984), 50(4), 405-16  
 CODEN: ALJMAO; ISSN: 0003-6072  
 DT Journal  
 LA English

L44 ANSWER 8 OF 24 CA COPYRIGHT 2003 ACS on STN  
 AN 91:55055 CA  
 TI Manganese and molybdenum metabolism in sheep during feeding with  
 vitamin A, B6, B12, C and potassium iodide  
 AU Odynets, R. N.; Tokobaev, E. M.; Aituganov, M. D.

- CS USSR  
SO Mikroelementy v Zhivotnovodstve i Rastenievodstve (1977), 16, 33-45  
CODEN: MZRKAG; ISSN: 0544-1307  
DT Journal  
LA Russian
- L44 ANSWER 9 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 88:168678 CA  
TI Hygienic mycological evaluation of feeds  
AU Kudryavtsev, A. P.; Kuvshinova, G. V.; Ponomarchuk, N. G.  
CS Irkutsk. Nauchno-Issled. Vet. Stants., Irkutsk, USSR  
SO Trudy Irkutskoi Nauchno-Issledovatel'skoi Veterinarnoi Stantsii (1976), 3, 153-7  
CODEN: TINSDF  
DT Journal  
LA Russian
- L44 ANSWER 10 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 81:33484 CA  
TI Vitamin A-induced nonspecific resistance to infection  
AU Cohen, Benjamin E.; Elin, Ronald J.  
CS Natl. Inst. Allergy Infect. Dis., Natl. Inst. Health, Bethesda, MD, USA  
SO Journal of Infectious Diseases (1974), 129(5), 597-600  
CODEN: JIDIAQ; ISSN: 0022-1899  
DT Journal  
LA English
- L44 ANSWER 11 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 79:51792 CA  
TI Biological activity of substances synthesized by the Blakeslea trispora fungus  
AU Balk, G. I.; Razumovskii, P. N.  
CS USSR  
SO Izvestiya Akademii Nauk Moldavskoi SSR, Biologicheskie i Khimicheskie Nauki (1973), (1), 36-40  
CODEN: IMBKB6; ISSN: 0568-5192  
DT Journal  
LA Russian
- L44 ANSWER 12 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 76:81759 CA  
TI Petroleum ether fraction  
AU Rakova, T.  
CS Vses. Nauchno-Issled. Inst. Nezaraznykh Bolezn. Zhivotnykh., USSR  
SO Svinovodstvo (Moscow) (1971), (9), 32-3  
CODEN: SVINAI; ISSN: 0039-713X  
DT Journal  
LA Russian
- L44 ANSWER 13 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 74:10902 CA  
TI Effectiveness of various sources of vitamin A in poultry rations  
AU Tkachev, I. F.; Semin, V. N.; Bukhtiyarova, O. N.  
CS Kuban. Sel'skokhoz. Inst., Krasnodar, USSR  
SO Vestnik Sel'skokhozyaistvennoi Nauki (Moscow) (1970), 15(9), 73-82  
CODEN: VSNLAF; ISSN: 0206-6335  
DT Journal  
LA Russian
- L44 ANSWER 14 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 73:33958 CA

TI Efficiency of a local A-provitamin-containing product administered to broilers  
AU Gondos, Maria; Palamaru, E.; Maxim, Veturia; Nicolof, Ecaterina  
CS Inst. Cercet. Zooteh., Rom.  
SO Revista de Zootehnica si Medicina Veterinara (1969), 19(11), 12-20  
CODEN: RZMVAB; ISSN: 0370-811X  
DT Journal  
LA Romanian

L44 ANSWER 15 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 52:35906 CA  
OREF 52:6485f-i,6486a-d  
TI Development of Sphacelia segetum, conidial stage of Claviceps purpurea in different culture media  
AU Celayeta, Filomena Diaz  
SO Farmacognosia (1957), 17, 27-142  
CODEN: FARMA8; ISSN: 0014-8288  
DT Journal  
LA Unavailable

L44 ANSWER 16 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 50:16835 CA  
OREF 50:3556i,3557a-b  
TI Yeast dermatoses during antibiotic cures. III. Pathogenic and therapeutic studies with particular reference to the incidence of avitaminoses  
AU de Graciansky, P.; Leclercq, R.; Delaporte, J.; de Roumilly, P. Grouin  
CS Hop. St. Louis, Paris  
SO Semaine des Hopitaux (1955), 31, 2170-82  
CODEN: SHPAAI; ISSN: 0037-1777  
DT Journal  
LA Unavailable

L44 ANSWER 17 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 47:16266 CA  
OREF 47:2824a  
TI Monilia sitophila. IV. The pigment of Monilia sitophila  
AU Akaki, Morio; Ishii, Ryuichiro  
CS Osaka Munic. Inst. Domestic Sci.  
SO Hakko Kogaku Zasshi (1950), 28, 63-5  
CODEN: HKZAA2; ISSN: 0367-5963  
DT Journal  
LA Unavailable

L44 ANSWER 18 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 47:16265 CA  
OREF 47:2823h-i,2824a  
TI Monilia sitophila. III. The vitamins especially provitamin A produced by Monilia sitophila  
AU Akaki, Morio  
CS Osaka Munic. Inst. Domestic Sci.  
SO Hakko Kogaku Zasshi (1950), 28, 24-7  
CODEN: HKZAA2; ISSN: 0367-5963  
DT Journal  
LA Unavailable

L44 ANSWER 19 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 41:8536 CA  
OREF 41:1792d-i,1793a-b  
TI Annual report of New York State College of Agriculture and the Cornell University Agricultural Experiment Station, 1945  
AU Day, Edmund E.; Myers, Wm. I.; Gibson, Anson Wright; Simons, Lloyd R.; Guterman, C. E. F.

CS Ithaca  
SO N.Y. (Cornell) Agr. Expt. Sta., Ann. Rept. (1946), 58, 182 pp.  
DT Journal  
LA Unavailable

L44 ANSWER 20 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 41:6675 CA  
OREF 41:1365c-i,1366a-c  
TI Report on agricultural research for the year ending June 30, 1945. I  
AU Buchanan, R. E.; Stevenson, W. H.  
CS Ames  
SO Iowa Agr. Expt. Sta. (1945) 355 pp.  
DT Journal  
LA Unavailable

L44 ANSWER 21 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 40:33649 CA  
OREF 40:6545a-b  
TI Influence of various synthetic vitamins on the development of pathogenic  
hyphomycetes found in man  
AU Grixoni, Francesco  
CS Univ., Sassari, Italy  
SO Bollettino - Societa Italiana di Biologia Sperimentale (1945), 20, 677-8  
CODEN: BSIBAC; ISSN: 0037-8771  
DT Journal  
LA Unavailable

L44 ANSWER 22 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 40:28108 CA  
OREF 40:5511f-i,5512d-i,5513a-g  
TI Nebraska agriculture 1944  
AU Burr, W. W.  
SO Nebraska Agr. Expt. Sta., Ann. Rept. (1945), 58, 124 pp.  
DT Journal  
LA Unavailable

L44 ANSWER 23 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 39:20934 CA  
OREF 39:3332e-i,3333a-b  
TI The nutrition of trout  
AU Tunison, A. V.; Brockway, D. R.; Maxwell, J. M.; Dorr, A. L.; McCay, C. M.  
SO N. Y. State Conservation Dept., Fisheries Research Bull. (1942),  
4(Cortland Hatchery Rept. 11), 52 pp.  
DT Journal  
LA Unavailable

L44 ANSWER 24 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 30:42326 CA  
OREF 30:5617i,5618a-b  
TI Vitamin content of fungi  
AU Scheunert, A.  
SO IV Congr. intern. tech. chim. ind. agr. Bruxelles (1935), 1;1D, 7 pp.  
DT Journal  
LA Unavailable

=> d 144 14 all

L44 ANSWER 14 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 73:33958 CA  
TI Efficiency of a local A-provitamin-containing product administered to  
broilers

AU Gondos, Maria; Palamaru, E.; Maxim, Veturia; Nicolof, Ecaterina  
CS Inst. Cercet. Zooteh., Rom.  
SO Revista de Zootehnie si Medicina Veterinara (1969), 19(11), 12-20  
CODEN: RZMVAB; ISSN: 0370-811X  
DT Journal  
LA Romanian  
CC 17 (Foods)  
AB A product of the **fungus** Blakeslea trispora (30-5.6% protein, 8.5-10% fat, 8 mg .beta.-carotene/g) was used instead of **vitamin A** as a food additive. Wt. gains, and specific consumption did not show significant differences. A dose of 20,000 .mu.g .beta.-carotene/kg mixed feed decreased mortality from 4.8 to 2%.  
ST fungal provitamin A feeds; provitamin A fungal feeds; feeds fungal provitamin A; carotene Blakeslea feeds; Blakeslea carotene feeds; chicken feeds carotenes  
IT Feed, preparation  
    (carotene-contg. compns. for broiler, from Blakeslea trispora)  
IT Blakeslea  
    (trispora, carotene-contg. compns. from, for broiler feeds)  
IT 7235-40-7  
RL: BIOL (Biological study)  
    (compns., for broiler feeds)

=> d 144 16 all

L44 ANSWER 16 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 50:16835 CA  
OREF 50:3556i,3557a-b  
TI Yeast dermatoses during antibiotic cures. III. Pathogenic and therapeutic studies with particular reference to the incidence of avitaminoses  
AU de Graciansky, P.; Leclercq, R.; Delaporte, J.; de Roumilly, P. Grouin  
CS Hop. St. Louis, Paris  
SO Semaine des Hopitaux (1955), 31, 2170-82  
CODEN: SHPAAI; ISSN: 0037-1777  
DT Journal  
LA Unavailable  
CC 11C (Biological Chemistry: Microbiology)  
AB The growth of Candida albicans var. stellatoidea was not or only very slightly stimulated by penicillin, streptomycin, Terramycin, chloramphenicol, Aureomycin, and tyrothricin, but the partial destruction of the genuine microflora favored the development of C. albicans. The fungistatic effect attributed to riboflavin was from Nipagin or Nipasol, antiseptics added to com. riboflavin prepns. Pure Na riboflavinephosphate, 0.2%, did not inhibit the **fungus** on liquid Sabouraud medium. Venous C. albicans infection in control rats gave a slight reaction, but in lots deficient in protein, riboflavin, axerophthol or thiamine, there was resp., 100, 83, 85 and 60% mortality. 115 references.  
IT Proteins  
    (deficiency of, dermatoses from yeast and)  
IT Skin  
    (diseases or lesions of, during antibiotic therapy)  
IT Avitaminosis or Hypovitaminosis  
    (from antibiotics)  
IT Antibiotic substances  
    (yeast dermatoses from)  
IT Candida  
    (albicans var. stellatoidea, effect of antibiotics on)  
IT Vitamin A  
    (Avitaminosis or Hypovitaminosis, yeast dermatoses and)  
IT Penicillins

(effect on *Candida albicans* var. *stellatoidea*, avitaminosis and yeast  
dermatoses in relation to)  
IT 59-43-8, Vitamin B1  
(Avitaminosis or Hypovitaminosis, yeast dermatoses and)  
IT 94-13-3, Benzoic acid, p-hydroxy-, propyl ester 99-76-3, Nipagin  
(effect on *Candida albicans* var. *stellatoidea*)  
IT 57-62-5, Chlortetracycline 79-57-2, Oxytetracycline 1404-88-2,  
Tyrothricin  
(effect on *Candida albicans* var. *stellatoidea*, avitaminosis and yeast  
dermatoses in relation to)  
IT 56-75-7, Chloramphenicol  
(effect on *Candida albicans*, avitaminosis and yeast dermatoses in  
relation to)  
IT 99-96-7, Benzoic acid, p-hydroxy-  
(esters, effect on *Candida albicans* var. *rettatoidea*)  
IT 83-88-5, Vitamin, B2  
(fungistatic effect of, nipogin and nipasol in)  
IT 57-92-1, Streptomycin  
(*Candida albicans* var. *stellatoidea* response to, avitaminosis and yeast  
dermatoses in relation to)

=> d 144 13 all

L44 ANSWER 13 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 74:10902 CA  
TI Effectiveness of various sources of **vitamin A** in  
poultry rations  
AU Tkachev, I. F.; Semin, V. N.; Bukhtiyarova, O. N.  
CS Kuban. Sel'skokhoz. Inst., Krasnodar, USSR  
SO Vestnik Sel'skokhozyaistvennoi Nauki (Moscow) (1970), 15(9), 73-82  
CODEN: VSNLAF; ISSN: 0206-6335  
DT Journal  
LA Russian  
CC 10 (Animal Nutrition)  
AB A new feed prepn. contg. .beta.-carotene, obtained by microbial synthesis  
with the aid of *Blakeslea trispora*, was compared in feeding expts. with 9  
groups of chicks with other sources of **vitamin A**. The  
**fungus** *B. trispora* was grown on a medium consisting of soybean and  
corn meal, enriched with .beta.-ionone and sunflower oil. After a 5-6  
days fermentation, mycelium was sepd. on press filters and the mass dried  
in a vacuum drier. The final product is a red, loose, oily biomass contg.  
4-16 mg of carotenoids in 1 g, chiefly (90%) .beta.-carotene, the rest  
.alpha.- and .gamma.-carotenes, and licopine, besides thiamine,  
riboflavine, pantothenic acid, pyridoxine, nicotinic acid, and vitamin  
B12; the biomass contained 55-56% lipids, and 25-30% proteins including  
essential amino acids. In chicks receiving equal basic rations,  
**vitamin A** acetate, fed alone or with carrots as the  
carotene source, produced the best wt. gains (16-18%), followed by  
microbial carotene + lucerne meal (13%), and carrots and gourd carotene.  
The same order of effectiveness was obsd. in the survival of the chicks.  
The sources of **vitamin A** examd. had no appreciable  
effect on the digestibility of food and the metabolism of N and minerals.  
In analogous expts. with 5-12-month-old hens, the groups receiving  
**vitamin A** acetate or other carotene began to produce  
eggs in 130-140 days (173 days in controls). The highest productivity was  
in the group receiving microbial carotene. The group receiving microbial  
carotene had the lowest consumption of food 1 kg of egg mass. Microbial  
carotene appeared to be not inferior to carrots and gourd carotene in  
biol. quality and approached **vitamin A** acetate  
effectiveness. Recommended doses for 100 g of feed: 1000 .mu.g up to 30  
days of age, 1500 .mu.g from 30-60 days, 2000 .mu.g from 60-90 days; and

ST 200-2500 .mu.g for egg-laying hens.  
vitamin A carotene Blakeslea poultry; poultry  
vitamin A carotene Blakeslea; Blakeslea carotene  
vitamin A poultry; carotene vitamin A  
Blakeslea poultry; feeds poultry vitamin A Blakeslea  
IT Chickens  
(Blakeslea trispora mycelium as vitamin A source  
for)  
IT Lipids  
Proteins  
Vitamins, biological studies  
RL: BIOL (Biological study)  
(of mycelium of Blakeslea trispora)  
IT Carotenes  
Carotenoids  
RL: BIOL (Biological study)  
(of mycelium of Blakeslea trispora, as vitamin A  
source for chicks)  
IT Blakeslea  
(trispora, mycelium of, as vitamin A source for  
chicks)  
IT Vitamin A  
RL: BIOL (Biological study)  
(Blakeslea trispora mycelium as source of, for chicks)

=> d 144 10 all

L44 ANSWER 10 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 81:33484 CA  
TI Vitamin A-induced nonspecific resistance to infection  
AU Cohen, Benjamin E.; Elin, Ronald J.  
CS Natl. Inst. Allergy Infect. Dis., Natl. Inst. Health, Bethesda, MD, USA  
SO Journal of Infectious Diseases (1974), 129(5), 597-600  
CODEN: JIDIAQ; ISSN: 0022-1899  
DT Journal  
LA English  
CC 1-5 (Pharmacodynamics)  
AB Pretreatment of mice with 4 daily i.p. injections of 3000 IU  
vitamin A palmitate [37340-08-2] decreased mortality  
from infections with gram-neg. (*Pseudomonas aeruginosa*) or gram-pos.  
(*Listeria monocytogenes*) bacteria or with fungi (*Candida albicans*). Five  
hr after challenge with *P. aeruginosa*, the treated mice had sterile blood,  
whereas control mice showed persistent bacteremia until death. The  
vitamin did not affect in vitro growth of the organisms.  
ST vitamin A infection; bacteria infection  
vitamin A; fungus infection vitamin  
A  
IT Candida albicans  
*Listeria monocytogenes*  
*Pseudomonas aeruginosa*  
(infection with, vitamin A effect on)  
IT 79-81-2  
RL: BIOL (Biological study)  
(bacterial and fungal infection response to)

=> d 144 6 all

L44 ANSWER 6 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 102:154827 CA  
TI Antibiotic composition for veterinary use

IN Speecke, Andre  
PA S.S.M. International Chemical Co. Ltd., St. Vincent  
SO PCT Int. Appl., 8 pp.  
CODEN: PIXXD2

DT Patent

LA French

IC A61K037-02; A61K031-65

ICI A61K037-02, A61K031-65, A61K031-43

CC 63-6 (Pharmaceuticals)

Section cross-reference(s): 17

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8404249	A2	19841108	WO 1984-BE12	19840502
	WO 8404249	A3	19850314		
	W: DK, JP, US				
	RW: AT, BE, CH, DE, FR, GB, LU, NL, SE				
	ZA 8403277	A	19841224	ZA 1984-3277	19840502
	EP 150186	A1	19850807	EP 1984-901729	19840502
	R: AT, BE, CH, DE, FR, GB, LI, LU, NL, SE				
	CA 1221635	A1	19870512	CA 1984-453413	19840502
	JP 01500746	T2	19890316	JP 1984-501885	19840502
	DK 8500035	A	19850103	DK 1985-35	19850103

PRAI LU 1983-84786 19830503  
WO 1984-BE12 19840502

AB An antibiotic compn. comprising oxytetracycline-HCl [2058-46-0], procaine benzylpenicillin [6130-64-9], and colistin sulfate [1264-72-8] has a combined synergistic activity against mycosis caused by **fungus**, pneumonia, necrosis and peritonitis. Thus, a compn. contained oxytetracycline-HCl 926, procaine benzylpenicillin 24,000, and colistine sulfate 10-100 mg and Povidone, a constituent of the solvent and water to 1 mL. This was then mixed with a compn. prep'd. from Mg formaldehyde bisulfite 7, Mgo 7, Me p-hydroxybenzoate 0.68, **vitamin A** 3.5, and Pr p-hydroxybenzoate 0.12 mg and diluents CM-cellulose and Povidone dissolved in 12 mg propylene glycol.

ST antibiotic pharmaceutical veterinary; mycosis antibiotic veterinary; peritonitis antibiotic veterinary; necrosis antibiotic veterinary; pneumonia antibiotic veterinary

IT Fungicides and Fungistats

(synergistic antibiotic compns., for veterinary use)

IT Antibiotics

(synergistic veterinary compns.)

IT Necrosis

Pneumonia

(treatment of, with synergistic veterinary antibiotic compns.)

IT Peritoneum

(disease, peritonitis, treatment of, with synergistic veterinary antibiotic compns.)

IT 1264-72-8 2058-46-0 6130-64-9

RL: BIOL (Biological study)

(synergistic antibiotic pharmaceuticals contg., for veterinary use)

=> d 144 5 all

L44 ANSWER 5 OF 24 CA COPYRIGHT 2003 ACS on STN  
AN 108:44049 CA

TI Pharmaceutical compositions containing propylene glycol and/or polyethylene glycol and urea as active main components and use thereof in treatment of skin disorders

IN Moberg, Sven

PA Swed.

SO PCT Int. Appl., 43 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC ICM A61K031-17  
 ICS A61K031-045; A61K031-765; A61K007-04; A61K007-48; A61K047-00  
 CC 63-6 (Pharmaceuticals)  
 Section cross-reference(s): 62  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8704617	A1	19870813	WO 1987-SE53	19870204
	W: AU, BB, BG, BR, DK, FI, HU, JP, KP, KR, LK, MC, MG, MW, NO, RO, SD, SU, US				
	RW: AT, BE, CF, CG, CH, CM, DE, FR, GA, GB, IT, LU, ML, MR, NL, SE, SN, TD, TG				
	SE 8600501	A	19870805	SE 1986-501	19860204
	SE 462139	B	19900514		
	SE 462139	C	19900906		
	AU 8770239	A1	19870825	AU 1987-70239	19870204
	AU 599086	B2	19900712		
	EP 292495	A1	19881130	EP 1987-901161	19870204
	EP 292495	B1	19910918		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	AT 67409	E	19911015	AT 1987-901161	19870204
	DK 8705193	A	19871002	DK 1987-5193	19871002
	DK 165440	B	19921130		
	DK 165440	C	19930413		
	NO 8704150	A	19871202	NO 1987-4150	19871002
	NO 174764	B	19940328		
	NO 174764	C	19940706		
	CA 1330198	A1	19940614	CA 1988-573123	19880727
	US 5525635	A	19960611	US 1993-150245	19931109

PRAI SE 1986-501

EP 1987-901161

WO 1987-SE53

US 1988-230375

US 1990-590432

US 1992-964104

19860204

19870204

19870204

19880921

19900927

19921008

AB A compn. for treatment of hyperkeratotic skin diseases, seborrheic eczema, dermatomycosis and onychomycosis, and thickened and chapped skin comprises propylene glycol and(or) polyethylene glycol 40-80, urea 5-20, and other active substances and(or) additives 0.55% by wt. Tinea man (fungus infection) on the hand was healed by 1 mo of treatments with a compn. contg. urea 20, lactic acid 10, and propylene glycol 70% or these 3 at 15, 10, and 67-69.5% with added 85% glycerol 5 and gel-forming agent 0.5-37.

ST skin disease urea propylene glycol; polyethylene glycol urea skin disease  
 IT Corticosteroids, biological studies

RL: BIOL (Biological study)

(fluorinated, pharmaceutical compns. contg. propylene glycol and(or) polyethylene glycol and urea and, for skin disorders treatment)

IT Fungicides and Fungistats

(pharmaceutical compns. contg. propylene glycol and(or) polyethylene glycol and urea and, for skin disorders treatment)

IT Psoriasis

Skin, disease or disorder

(treatment of, urea-propylene glycol or -polyethylene glycol compns. for)

IT Eczema

Mycosis

Wart

IT Gelation (treatment of, urea-propylene glycol-lactic acid compns. for)

IT Mycosis (agents, pharmaceutical compns. contg. propylene glycol and(or) polyethylene glycol and urea and, for skin disorders treatment)

IT Nail (anatomical) (dermato-, treatment of, urea-propylene glycol or -polyethylene glycol compns. for)

IT Nail (anatomical) (disease, onychia, treatment of, urea-propylene glycol-lactic acid compns. for)

IT Scalp (disease, seborrheic dermatitis, treatment of, urea-propylene glycol or -polyethylene glycol compns. for)

IT Corticosteroids, biological studies  
RL: BIOL (Biological study)  
(gluco-, pharmaceutical compns. contg. propylene glycol and(or) polyethylene glycol and urea and, for skin disorders treatment)

IT Keratosis (hyper-, treatment of, urea-propylene glycol or -polyethylene glycol compns. for)

IT Eczema (hyperkeratotic, treatment of, urea-propylene glycol-lactic acid compns. for)

IT Skin, disease or disorder (rhagades, treatment of, urea-propylene glycol or -polyethylene glycol compns. for)

IT Dermatitis (seborrheic, treatment of, urea-propylene glycol or -polyethylene glycol compns. for)

IT Eczema (tylotic, treatment of, urea-propylene glycol-lactic acid compns. for)

IT Tinea (skin disease) (versicolor, treatment of, urea-propylene glycol-lactic acid compns. for)

IT 50-21-5, biological studies 50-23-7, Hydrocortisone 56-81-5, biological studies 64-17-5, biological studies 69-72-7, biological studies 288-32-4D, Imidazole, derivs. 302-79-4 9004-70-0  
**11103-57-4, Vitamin A**  
RL: BIOL (Biological study)  
(pharmaceutical compns. contg. propylene glycol and(or) polyethylene glycol and urea and, for skin disorders treatment)

IT 57-13-6, biological studies  
RL: BIOL (Biological study)  
(pharmaceutical compns. contg. propylene glycol and(or) polyethylene glycol and, for skin disorders treatment)

IT 57-55-6, biological studies 25322-68-3  
RL: BIOL (Biological study)  
(pharmaceutical compns. contg. urea and, for skin disorders)

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1 75 S FARNESOL  
L2 1 S HEXANOYL SPHINGOSINE  
L3 0 S OLEOYL BETAINE  
L4 55 S URSOLIC ACID

L5 165 S IONONE  
L6 0 S UTRECT-2  
L7 1 S UTRECHT 2  
L8 5 S BIFONAZOLE  
L9 6 S CLOTRIMAZOLE  
L10 5 S KETOCONAZOLE  
L11 15 S MICONAZOLE  
L12 0 S DAIZEDEIN  
L13 51 S DAIDZEIN  
L14 75 S GENISTEIN  
L15 0 S PHYTOESTRAGEN  
E PHYTOESTROGEN  
L16 3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17 10486 S RETINOL  
L18 0 S GLUTAMASE TRANSAMINASE  
L19 189 S GLUTAMATE TRANSAMINASE  
L20 0 S L19 AND L17  
L21 19649 S TRANSAMINASE  
L22 24 S L21 AND L17  
E DERMAL  
L23 11755 S E3-E11  
L24 3285 S L1  
E PHYTOESTROGEN  
L25 1454 S E3-E8  
L26 1 S L25 AND L23  
E SKIN  
L27 184746 S E3  
L28 22 S L27 AND L25  
L29 0 S RESVESEROL  
L30 1408 S RESVERATROL  
L31 4 S L30 AND L23  
L32 0 S L24 AND L30  
E FUNGUS  
L33 40001 S E3  
L34 21 S L33 AND L30  
L35 2462 S L13  
L36 3825 S L14  
L37 2384 S L10  
L38 1454 S L9  
L39 2 S L38 AND L35  
L40 47 S L35 AND L33  
L41 11 S L17 AND L33  
L42 28516 S VITAMIN A  
L43 26 S L42 AND L33  
L44 24 S L43 NOT L41

=> s l24 and l33

L45 38 L24 AND L33

=> d 145 1-38

L45 ANSWER 1 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 139:32093 CA  
TI Adhesion inhibition of molds  
IN Bockmuehl, Dirk; Breves, Roland; Weide, Mirko; Hoehne, Heide-Marie;  
Heinzel, Michael  
PA Henkel Kommanditgesellschaft Auf Aktien, Germany  
SO PCT Int. Appl., 44 pp.  
CODEN: PIXXD2  
DT Patent

LA German

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003051126	A1	20030626	WO 2002-EP14322	20021216
	W:	AU, BR, BY, CA, CN, DE, DZ, HU, ID, IL, IN, JP, KR, MX, NO, NZ, PL, RO, RU, SG, UA, US, UZ, VN, YU, ZA			
	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR			

PRAI DE 2001-10162142 A 20011218

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 2 OF 38 CA COPYRIGHT 2003 ACS on STN

AN 137:261996 CA

TI Prenyl alcohol enhanced manufacture with microorganism in the presence of squalene synthase inhibitor

IN Muramatsu, Masayoshi; Obata, Mitsuo; Shimizu, Akira

PA Toyota Motor Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 37 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002300896	A2	20021015	JP 2002-10528	20020118
PRAI	JP 2001-21547	A	20010130		

L45 ANSWER 3 OF 38 CA COPYRIGHT 2003 ACS on STN

AN 137:88442 CA

TI Incensole and furanogermacrens and compounds in treatment for inhibiting neoplastic lesions and microorganisms

IN Shanahan-Pendergast, Elisabeth

PA Ire.

SO PCT Int. Appl., 68 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002053138	A2	20020711	WO 2002-IE1	20020102
	WO 2002053138	A3	20020919		
	W:	AE, AG, AT, AU, BB, BG, CA, CH, CN, CO, CU, CZ, LU, LV, MA, MD, UA, UG, US, VN, YU, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, AT, BE, CH, CY, DE, ES, FI, ML, MR, NE, SN, TD, TG			

PRAI IE 2001-2 A 20010102

OS MARPAT 137:88442

L45 ANSWER 4 OF 38 CA COPYRIGHT 2003 ACS on STN

AN 137:78001 CA

TI Microorganisms for prodn. of prenyl alcohol

IN Muramatsu, Masayoshi; Obata, Shusei; Shimizu, Sakayu

PA Toyota Jidosha Kabushiki Kaisha, Japan

SO Eur. Pat. Appl., 60 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	EP 1219704	A2	20020703	EP 2001-130425	20011220
	EP 1219704	A3	20030102		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2002291494	A2	20021008	JP 2001-375842	20011210
US	2003096385	A1	20030522	US 2001-22434	20011220
PRAI	JP 2000-401951	A	20001228		
	JP 2001-375842	A	20011210		

L45 ANSWER 5 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 137:62266 CA  
TI Microorganisms for production of geranylgeraniol and analogous compounds  
IN Muramatsu, Masayoshi; Obata, Shusei; Shimizu, Sakayu  
PA Toyota Jidosha Kabushiki Kaisha, Japan  
SO Eur. Pat. Appl., 32 pp.  
CODEN: EPXXDW

DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1219714	A2	20020703	EP 2001-130424	20011220
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2002253284	A2	20020910	JP 2001-376173	20011210
	US 2002187532	A1	20021212	US 2001-22695	20011220
PRAI	JP 2000-401266	A	20001228		
	JP 2001-376173	A	20011210		

L45 ANSWER 6 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 135:223875 CA  
TI Quorum sensing in the dimorphic fungus Candida albicans is  
mediated by farnesol  
AU Hornby, Jacob M.; Jensen, Ellen C.; Liseck, Amber D.; Tasto, Joseph J.;  
Jahnke, Brandon; Shoemaker, Richard; Dussault, Patrick; Nickerson, Kenneth  
W.  
CS School of Biological Sciences, University of Nebraska, Lincoln, NE,  
68588-0666, USA  
SO Applied and Environmental Microbiology (2001), 67(7), 2982-2992  
CODEN: AEMIDF; ISSN: 0099-2240  
PB American Society for Microbiology  
DT Journal  
LA English  
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 7 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 135:58229 CA  
TI Purification and characterization of an autoregulatory substance capable  
of regulating the morphological transition in Candida albicans  
AU Oh, Ki-Bong; Miyazawa, Hiroshi; Naito, Toshimichi; Matsuoka, Hideaki  
CS Natural Products Research Institute, Seoul National University, Seoul,  
110-460, S. Korea  
SO Proceedings of the National Academy of Sciences of the United States of  
America (2001), 98(8), 4664-4668  
CODEN: PNASA6; ISSN: 0027-8424  
PB National Academy of Sciences  
DT Journal  
LA English  
RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 8 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 132:320577 CA  
TI The branch point enzyme of the mevalonate pathway for protein prenylation is overexpressed in the ob/ob mouse and induced by adipogenesis  
AU Vicent, David; Maratos-Flier, Eleftheria; Kahn, C. Ronald  
CS Research Division, Joslin Diabetes Center, and Department of Medicine, Harvard Medical School, Boston, MA, 02215, USA  
SO Molecular and Cellular Biology (2000), 20(6), 2158-2166  
CODEN: MCEBD4; ISSN: 0270-7306  
PB American Society for Microbiology  
DT Journal  
LA English

RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 9 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 130:114824 CA  
TI Antimicrobial and antioxidant properties of some commercial essential oils  
AU Baratta, M. Tiziana; Dorman, H. J. Damien; Deans, Stanley G.; Figueiredo, A. Cristina; Barroso, Jose G.; Ruberto, Giuseppe  
CS Department of Biochemical Sciences, Scottish Agricultural College, Auchincruive, Ayr, KA6 5HW, UK  
SO Flavour and Fragrance Journal (1998), 13(4), 235-244  
CODEN: FFJOED; ISSN: 0882-5734  
PB John Wiley & Sons Ltd.  
DT Journal  
LA English

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 10 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 129:25530 CA  
TI Biotransformation of (2Z,6Z)-farnesol by the plant pathogenic fungus Glomerella cingulata  
AU Nankai, Hirokazu; Miyazawa, Mitsuo; Kameoka, Hiromu  
CS Department of Applied Chemistry, Faculty of Science and Engineering, Kinki University, Osaka, 577-0818, Japan  
SO Phytochemistry (1998), 47(6), 1025-1028  
CODEN: PYTCAS; ISSN: 0031-9422  
PB Elsevier Science Ltd.  
DT Journal  
LA English

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L45 ANSWER 11 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 126:328097 CA  
TI Enzyme activities in cell suspension cultures of two hop cultivars after elicitation by a fungal culture filtrate  
AU Trevisan, M. T. S.; Valdibia, A. C. Ramos; Scheffer, J. J. C.; Verpoorte, R.  
CS Leiden/Amsterdam Cent. Drug Res., Leiden Univ., Leiden, 2300 RA, Neth.  
SO Biotechnology Letters (1997), 19(3), 207-211  
CODEN: BILED3; ISSN: 0141-5492  
PB Chapman and Hall  
DT Journal  
LA English

L45 ANSWER 12 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 125:296812 CA  
TI Biotransformation of acyclic terpenoid (2E,6E)-farnesol by plant

- AU pathogenic fungus *Glomerella cingulata*  
AU Miyazawa, Mitsuo; Nankai, Hirokazu; Kameoka, Hiromu  
CS Department Applied chemistry, Kinki University, Osaka, 577, Japan  
SO Phytochemistry (1996), 43(1), 105-109  
CODEN: PYTCAS; ISSN: 0031-9422  
PB Elsevier  
DT Journal  
LA English
- L45 ANSWER 13 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 125:239701 CA  
TI Cloning and Heterologous Expression of a Second (+)-.delta.-Cadinene Synthase from *Gossypium arboreum*  
AU Chen, Xiao-Ya; Wang, Mansi; Chen, Yuan; Jo Davisson, V.; Heinstein, Peter  
CS Department of Medicinal Chemistry and Molecular Pharmacology, Purdue University, West Lafayette, IN, 47907-1333, USA  
SO Journal of Natural Products (1996), 59(10), 944-951  
CODEN: JNPRDF; ISSN: 0163-3864  
PB American Chemical Society  
DT Journal  
LA English
- L45 ANSWER 14 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 125:28108 CA  
TI The fungal teratogen secalonic acid D is an inhibitor of protein kinase C and of cyclic AMP-dependent protein kinase  
AU Wang, Bing Hui; Polya, Gideon M.  
CS Sch. Biochem., La Trobe Univ., Victoria, 3083, Australia  
SO Planta Medica (1996), 62(2), 111-114  
CODEN: PLMEAA; ISSN: 0032-0943  
PB Thieme  
DT Journal  
LA English
- L45 ANSWER 15 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 123:107379 CA  
TI Studies on chemical components of mushrooms. Part V. Two chemotypes of *Boletinus cavipes*  
AU Wada, Tomonari; Kobata, Kenji; Hayashi, Yasuo; Shibata, Hisao  
CS Dept. Biosci. and Biotech., Shinshu Univ., Nagano, 399-45, Japan  
SO Bioscience, Biotechnology, and Biochemistry (1995), 59(6), 1036-9  
CODEN: BBBIEJ; ISSN: 0916-8451  
PB Japan Society for Bioscience, Biotechnology, and Agrochemistry  
DT Journal  
LA English
- L45 ANSWER 16 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 123:52084 CA  
TI Antifungal properties of essential oils and their main components upon *Cryptococcus neoformans*  
AU Viollon, Catherine; Chaumont, Jean-Pierre  
CS Laboratory Botany, Faculty Medicine and Pharmacy, Besancon, Fr.  
SO Mycopathologia (1994), 128(3), 151-3  
CODEN: MYCPAH; ISSN: 0301-486X  
DT Journal  
LA English
- L45 ANSWER 17 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 120:321664 CA  
TI Antimycotic effect of cardamom essential oil components on toxigenic molds  
AU Badei, A.Z.M.  
CS Fac. Agric., Cairo Univ., Giza, Egypt

- SO Egyptian Journal of Food Science (1992), 20(3), 441-52  
 CODEN: EJFSAI; ISSN: 0301-8571  
 DT Journal  
 LA English
- L45 ANSWER 18 OF 38 CA COPYRIGHT 2003 ACS on STN  
 AN 120:27062 CA  
 TI Isolation and structure of chaetomellic acids A and B from Chaetomella acutiseta: farnesyl pyrophosphate mimic inhibitors of ras farnesyl-protein transferase  
 AU Singh, Sheo B.; Zink, Deborah L.; Liesch, Jerrold M.; Goetz, Michael A.; Jenkins, Rosalind G.; Nallin-Omstead, Mary; Silverman, Keith C.; Bills, Gerald F.; Misley, Ralph T.  
 CS Merck Res. Lab., Rahway, NJ, 07065, USA  
 SO Tetrahedron (1993), 49(27), 5917-26  
 CODEN: TETRAB; ISSN: 0040-4020  
 DT Journal  
 LA English
- L45 ANSWER 19 OF 38 CA COPYRIGHT 2003 ACS on STN  
 AN 116:124733 CA  
 TI Fungitoxic activity of some terpenoids against ringworm fungus, Microsporum gypseum  
 AU Mishra, D. N.; Dixit, Vivek; Tiwari, Ramesh  
 CS Dep. Bot., Univ. Gorakhpur, Gorakhpur, 273 009, India  
 SO National Academy Science Letters (India) (1991), 14(4), 169-70  
 CODEN: NASLDX; ISSN: 0250-541X  
 DT Journal  
 LA English
- L45 ANSWER 20 OF 38 CA COPYRIGHT 2003 ACS on STN  
 AN 114:77061 CA  
 TI Pheromone baits for social insects  
 IN Howse, Philip Edwin  
 PA University of Southampton, UK  
 SO PCT Int. Appl., 20 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1
- |      | PATENT NO.                  | KIND | DATE     | APPLICATION NO. | DATE     |
|------|-----------------------------|------|----------|-----------------|----------|
| PI   | WO 9011012<br>W: BR, ES, US | A1   | 19901004 | WO 1990-GB415   | 19900319 |
|      | BR 9007238                  | A    | 19920225 | BR 1990-7238    | 19900319 |
|      | US 6344208                  | B1   | 20020205 | US 1993-99248   | 19930729 |
| PRAI | GB 1989-6382                | A    | 19890320 |                 |          |
|      | US 1990-776262              | B1   | 19900319 |                 |          |
|      | WO 1990-GB415               | A    | 19900319 |                 |          |
- L45 ANSWER 21 OF 38 CA COPYRIGHT 2003 ACS on STN  
 AN 113:112327 CA  
 TI Antibacterial and antifungal properties of essential oil components  
 AU Knobloch, Karl; Pauli, Alexander; Iberl, Bernard; Weigand, Hildegunde; Weis, Norbert  
 CS Inst. Bot. Pharm. Biol. Aromagarten, Univ. Erlangen-Nurnberg, Erlangen, D-8520, Fed. Rep. Ger.  
 SO Journal of Essential Oil Research (1989), 1(3), 119-28  
 CODEN: JEOREG; ISSN: 1041-2905  
 DT Journal  
 LA English

- L45 ANSWER 22 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 113:74457 CA  
TI Presqualene alcohol, squalene, and sterol biosynthesis from bifarnesol  
AU Nes, W. David; Phu, Le; Van Tamelen, Eugene E.; Leopold, Eric J.  
CS Plant Physiol. Res. Unit, Richard B. Russel Res. Cent., Athens, GA, 30613,  
USA  
SO Experimental Mycology (1990), 14(1), 74-7  
CODEN: EXMYD2; ISSN: 0147-5975  
DT Journal  
LA English
- L45 ANSWER 23 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 110:72663 CA  
TI Induction of sesquiterpene cyclase and suppression of squalene synthetase  
activities in plant cell cultures treated with fungal elicitor  
AU Vogeli, Urs; Chappell, Joseph  
CS Agron. Dep., Univ. Kentucky, Lexington, KY, 40546, USA  
SO Plant Physiology (1988), 88(4), 1291-6  
CODEN: PLPHAY; ISSN: 0032-0889  
DT Journal  
LA English
- L45 ANSWER 24 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 106:152675 CA  
TI Isopulegol from liquid cultures of the **fungus** Ceratocystis  
coeruleascens (Ascomycotina).  
AU Koch, Wolf Gerald; Sinnwell, Volker  
CS Univ. Hamburg, Hamburg, D-2000/13, Fed. Rep. Ger.  
SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (1987),  
42(1-2), 159-61  
CODEN: ZNCBDA; ISSN: 0341-0382  
DT Journal  
LA English
- L45 ANSWER 25 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 106:134825 CA  
TI Biosynthesis of flavor compounds by microorganisms. 6. Odorous  
constituents of Polyporus durus (Basidiomycetes)  
AU Berger, R. G.; Neuhaeuser, K.; Drawert, F.  
CS Inst. Lebensmitteltechnol. Anal. Chem., Tech. Univ. Muenchen, Freising,  
D-8050/12, Fed. Rep. Ger.  
SO Zeitschrift fuer Naturforschung, C: Journal of Biosciences (1986),  
41(11-12), 963-70  
CODEN: ZNCBDA; ISSN: 0341-0382  
DT Journal  
LA English
- L45 ANSWER 26 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 103:84671 CA  
TI Sesquiterpene alcohols from Lentinus lepideus  
AU Hanssen, Hans Peter  
CS Univ. Hamburg, Hamburg, D-2000/13, Fed. Rep. Ger.  
SO Phytochemistry (Elsevier) (1985), 24(6), 1293-4  
CODEN: PYTCAS; ISSN: 0031-9422  
DT Journal  
LA English
- L45 ANSWER 27 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 101:226514 CA  
TI Biosynthesis of abscisic acid from farnesol derivatives in Cercospora  
rosicola  
AU Bennett, Raymond D.; Norman, Shirley M.; Maier, V. P.

- CS Fruit Veg. Chem. Lab., ARS, Pasadena, CA, 91106, USA  
SO Phytochemistry (Elsevier) (1984), 23(9), 1913-15  
CODEN: PYTCAS; ISSN: 0031-9422  
DT Journal  
LA English
- L45 ANSWER 28 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 101:19509 CA  
TI Characterization and activity change of farnesol dehydrogenase in black rot **fungus**-infected sweet potato  
AU Inoue, Hiromasa; Tsuji, Hiroko; Uritani, Ikuzo  
CS Fac. Agric., Nagoya Univ., Nagoya, 464, Japan  
SO Agricultural and Biological Chemistry (1984), 48(3), 733-8  
CODEN: ABCHA6; ISSN: 0002-1369  
DT Journal  
LA English
- L45 ANSWER 29 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 94:12921 CA  
TI Effect of abscisic acid on rishitin and lubimin accumulation and resistance to Phytophthora infestans and Cladosporium cucumerinum in potato tuber tissue slices  
AU Henfling, J. W. D. M.; Bostock, R.; Kuc, J.  
CS Dep. Plant Pathol., Univ. Kentucky, Lexington, KY, 40546, USA  
SO Phytopathology (1980), 70(11), 1074-8  
CODEN: PHYTAJ; ISSN: 0031-949X  
DT Journal  
LA English
- L45 ANSWER 30 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 88:60065 CA  
TI **Fungus** pigments, XXXI. Farnesylphenols from Albatrellus species (Basidiomycetes)  
AU Besl, Helmut; Hoefle, Gerhard; Jendrny, Barbara; Jaegers, Erhard; Steglich, Wolfgang  
CS Inst. Org. Chem. Biochem., Univ. Bonn, Bonn, Fed. Rep. Ger.  
SO Chemische Berichte (1977), 110(12), 3770-6  
CODEN: CHBEAM; ISSN: 0009-2940  
DT Journal  
LA German
- L45 ANSWER 31 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 85:59782 CA  
TI Role of sterols in relations between potato and Phytophthora infestans  
AU Metlitskii, L. V.; Ozeretskaya, O. L.; Vasyukova, N. I.; Davydova, M. A.; Segal, G. M.  
CS Inst. Biokhim. im. Bakha, Moscow, USSR  
SO Doklady Akademii Nauk SSSR (1976), 227(1), 244-7 [Biochem.]  
CODEN: DANKAS; ISSN: 0002-3264  
DT Journal  
LA Russian
- L45 ANSWER 32 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 84:56495 CA  
TI Volatile terpenes in fungi  
AU Sprecher, E.; Kubeczka, K. H.; Ratschko, M.  
CS Univ. Hamburg, Hamburg, Fed. Rep. Ger.  
SO Archiv der Pharmazie (Weinheim, Germany) (1975), 308(11), 843-51  
CODEN: ARPMAS; ISSN: 0365-6233  
DT Journal  
LA German

- L45 ANSWER 33 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 81:87760 CA  
TI Trans and cis hydration of racemic 10,11-epoxyfarnesol into optically active glycols by **fungus**  
AU Suzuki, Yoshikatsu; Imai, Kunio; Marumo, Shingo  
CS Dep. Agric. Chem., Nagoya Univ., Nagoya, Japan  
SO Journal of the American Chemical Society (1974), 96(11), 3703-5  
CODEN: JACSAT; ISSN: 0002-7863  
DT Journal  
LA English
- L45 ANSWER 34 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 78:94649 CA  
TI Trans-to-cis 2,3-double bond isomerization of epoxyfarnesol and farnesol by **fungus**  
AU Suzuki, Yoshikatsu; Marumo, Shingo  
CS Dep. Agric. Chem., Nagoya Univ., Nagoya, Japan  
SO Tetrahedron Letters (1972), (50), 5101-4  
CODEN: TELEAY; ISSN: 0040-4039  
DT Journal  
LA English
- L45 ANSWER 35 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 77:123686 CA  
TI Dolichols, ubiquinones, geranylgeraniol, and farnesol as the major metabolites of mevalonate in *Phytophthora cactorum*  
AU Richards, J. B.; Hemming, F. W.  
CS Dep. Biochem., Univ. Liverp., Liverpool, UK  
SO Biochemical Journal (1972), 128(5), 1345-52  
CODEN: BIJOAK; ISSN: 0264-6021  
DT Journal  
LA English
- L45 ANSWER 36 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 77:72434 CA  
TI Fungal metabolism of (+)-epoxyfarnesol and its absolute stereochemistry  
AU Suzuki, Yoshikatsu; Marumo, Shingo  
CS Dep. Agric. Chem., Nagoya Univ., Nagoya, Japan  
SO Tetrahedron Letters (1972), (19), 1887-90  
CODEN: TELEAY; ISSN: 0040-4039  
DT Journal  
LA English
- L45 ANSWER 37 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 76:1893 CA  
TI Phytopathological chemistry of sweet potato with black rot and injury. 91. Participation of farnesol in the biosynthesis of ipomeamarone  
AU Oguni, Itaro; Uritani, Ikuzo  
CS Fac. Agric., Nagoya Univ., Nagoya, Japan  
SO Plant and Cell Physiology (1971), 12(4), 507-15  
CODEN: PCPHA5; ISSN: 0032-0781  
DT Journal  
LA English
- L45 ANSWER 38 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 72:87306 CA  
TI Incorporation of farnesol-2-14C into ipomeamarone  
AU Oguni, Itaro; Uritani, Ikuzo  
CS Fac. Agr., Nagoya Univ., Nagoya, Japan  
SO Agricultural and Biological Chemistry (1970), 34(1), 156-8  
CODEN: ABCHA6; ISSN: 0002-1369  
DT Journal

LA English

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L45 ANSWER 21 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 113:112327 CA  
TI Antibacterial and antifungal properties of essential oil components  
AU Knobloch, Karl; Pauli, Alexander; Iberl, Bernard; Weigand, Hildegunde;  
Weis, Norbert  
CS Inst. Bot. Pharm. Biol. Aromagarten, Univ. Erlangen-Nurnberg, Erlangen,  
D-8520, Fed. Rep. Ger.  
SO Journal of Essential Oil Research (1989), 1(3), 119-28  
CODEN: JEOREG; ISSN: 1041-2905  
DT Journal  
LA English  
CC 10-5 (Microbial Biochemistry)  
Section cross-reference(s): 11, 62  
AB The solv. in water of essential oil constituents is directly related to  
their ability to penetrate the cell walls of a bacterium or fungus  
. The antimicrobial activity of essential oils is due to their solv. in  
the phospholipid bilayer of cell membranes. Terpenoids which are  
characterized by their lability have been found to interfere with the  
enzymic reactions of energy metab.  
ST essential oil solv antimicrobial; bactericide essential oil solv;  
fungicide essential oil solv  
IT Oils, essential  
RL: BIOL (Biological study)  
(bactericidal and fungicidal activity of components of, solv. effect  
on)  
IT Terpenes and Terpenoids, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); BIOL (Biological study)  
(bactericidal and fungicidal activity of, solv. effect on)  
IT Solubility  
(of essential oil components, bactericidal and fungicidal activities in  
relation to)  
IT Terpenes and Terpenoids, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); BIOL (Biological study)  
(aldehydes, bactericidal and fungicidal activity of, solv. effect on)  
IT Microbicidal and microbiostatic action  
(bactericidal, of essential oil components, solv. effect on)  
IT Terpenes and Terpenoids, compounds  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); BIOL (Biological study)  
(esters, bactericidal and fungicidal activity of, solv. effect on)  
IT Microbicidal and microbiostatic action  
(fungicidal, of essential oil components, solv. effect on)  
IT Terpenes and Terpenoids, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); BIOL (Biological study)  
(hydroxy, bactericidal and fungicidal activity of, solv. effect on)  
IT Terpenes and Terpenoids, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); BIOL (Biological study)  
(oxo, bactericidal and fungicidal activity of, solv. effect on)  
IT Biological transport  
(permeation, of microbial cell walls, by essential components)  
IT Aldehydes, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); BIOL (Biological study)

(terpenoid, bactericidal and fungicidal activity of, solv. effect on)  
IT 76-22-2, Camphor 76-49-3, Bornyl acetate 78-70-6, Linalool 80-56-8,  
.alpha.-Pinene 87-44-5 89-78-1, Menthol 89-80-5, Menthone 89-81-6,  
Piperitone 89-82-7, Pulegone 89-83-8 93-15-2, Methyl eugenol  
97-53-0, Eugenol 99-48-9, Carveol 99-49-0, Carvone 99-85-4,  
.gamma.-Terpinene 99-87-6, p-Cymene 104-55-2, Cinnamaldehyde  
106-22-9 106-23-0 106-24-1 106-25-2, Nerol 115-95-7, Linalyl  
acetate 120-57-0, Piperonal 121-33-5 127-91-3, .beta.-Pinene  
138-86-3, Limonene 140-67-0, Methyl chavicol 470-82-6, 1,8-Cineole  
499-75-2, Carvacrol 507-70-0, Borneol 4180-23-8, trans-Anethole  
**4602-84-0**, Farnesol 5392-40-5, Citral 29714-87-2, Ocimene  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); BIOL (Biological study)  
(bactericidal and fungicidal activity of, solv. effect on)

=> d 145 19 all

L45 ANSWER 19 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 116:124733 CA  
TI Fungitoxic activity of some terpenoids against ringworm fungus,  
*Microsporum gypseum*  
AU Mishra, D. N.; Dixit, Vivek; Tiwari, Ramesh  
CS Dep. Bot., Univ. Gorakhpur, Gorakhpur, 273 009, India  
SO National Academy Science Letters (India) (1991), 14(4), 169-70  
CODEN: NASLDX; ISSN: 0250-541X  
DT Journal  
LA English  
CC 10-5 (Microbial, Algal, and Fungal Biochemistry)  
AB Four terpenoids, citral, eugenol, farnesol, and nerol, were tested for  
their activity against *M. gypseum*. The min. inhibitory concns. of citral,  
farnesol, and nerol were 500 ppm, while that of eugenol was 300 ppm. All  
the terpenoids were fungicidal at their resp. MICs, except citral, which  
possessed static activity.  
ST terpenoid inhibition ringworm fungi; *Microsporum* terpenoid fungitoxic  
activity  
IT Terpenes and Terpenoids, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); BIOL (Biological study)  
(fungitoxic activity of, against ringworm fungus)  
IT *Microsporum gypseum*  
(inhibition of, by terpenoids)  
IT Fungicides and Fungistats  
(terpenoids as, for *Microsporum gypseum*)  
IT 97-53-0 **4602-84-0** 5392-40-5  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); BIOL (Biological study)  
(fungitoxic activity of, against ringworm fungus)

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L45 ANSWER 17 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 120:321664 CA  
TI Antimycotic effect of cardamom essential oil components on toxigenic molds  
AU Badei, A.Z.M.  
CS Fac. Agric., Cairo Univ., Giza, Egypt  
SO Egyptian Journal of Food Science (1992), 20(3), 441-52  
CODEN: EJFSAI; ISSN: 0301-8571  
DT Journal  
LA English  
CC 17-5 (Food and Feed Chemistry)

AB The inhibitory effect of cardamom (*Elettaria cardamomum*) essential oil and its major chem. components (1,8-cineol, .alpha.-terpinyl acetate, DL-limonene, and linalool) on the growth of 7 toxigenic mold strains (*Aspergillus flavus*, *A. parasiticus*, *A. achraceus*, *Penicillium* species, *P. roquefortii*, *P. patulum*, and *P. citrinum*) and aflatoxins produced by *A. parasiticus* (aflatoxins B1, B2, G1, and G2) was obsd. Twenty five compds. were sep'd. from the essential oil; .alpha.-terpinyl acetate had the strongest antifungal effect.  
 ST cardamom essential oil fungi aflatoxin inhibition  
 IT Aflatoxins  
 RL: BIOL (Biological study)  
     (inhibition of prodn. by toxigenic molds of, by cardamom essential oil and its chem. components)  
 IT Aspergillus achraceus  
 Aspergillus flavus  
 Aspergillus parasiticus  
 Mold (fungus)  
 Penicillium  
 Penicillium citrinum  
 Penicillium patulum  
 Penicillium roquefortii  
     (inhibition of, by cardamom essential oil and its chem. components)  
 IT Essential oils  
 RL: BIOL (Biological study)  
     (cardamom, toxigenic mold growth and aflatoxin formation inhibition by, and its chem. components)  
 IT 1162-65-8, Aflatoxin B1 1165-39-5, Aflatoxin G1 7220-81-7, Aflatoxin B2 7241-98-7, Aflatoxin G2  
 RL: OCCU (Occurrence)  
     (inhibition of prodn. by *Aspergillus parasiticus* of, by cardamom essential oil and its chem. components)  
 IT 79-92-5P, Camphene 80-56-8P, .alpha.-Pinene 87-44-5P, Caryophyllene 99-83-2P, .alpha.-Phellandrene 99-84-3P, Cyclohexene, 4-Methylene-1-(1-methylethyl)- 99-85-4P, .gamma.-Terpinene 99-87-6P, p-Cymene 106-22-9P, Citronellol 106-24-1P, Geraniol 106-25-2P, Nerol 115-95-7P, Linalyl acetate 123-35-3P, Myrcene 127-91-3P, .beta.-Pinene 138-87-4P, .beta.-Terpineol 141-12-8P, Neryl acetate 142-50-7P, Nerolidol 555-10-2P, .beta.-Phellandrene 586-62-9P, Terpinolene 586-82-3P, Terpinen-1-ol 3387-41-5P, Sabinene 4602-84-0P, Farnesol 5392-40-5P, Citral 5989-27-5P, d-Limonene 13466-78-9P, .DELTA.3-Carene  
 RL: PREP (Preparation)  
     (of cardamom essential oil, inhibition of growth and aflatoxins prodn. by toxigenic molds in relation to)  
 IT 78-70-6P, Linalool 80-26-2P, .alpha.-Terpinyl acetate 138-86-3P, DL-Limonene 470-82-6P, 1,8-Cineol  
 RL: PREP (Preparation)  
     (of cardamom essential oil, inhibition of growth of and aflatoxins prodn. by *Aspergillus parasiticus* with)

=> d 145 16 all

L45 ANSWER 16 OF 38 CA COPYRIGHT 2003 ACS on STN  
 AN 123:52084 CA  
 TI Antifungal properties of essential oils and their main components upon *Cryptococcus neoformans*  
 AU Viillon, Catherine; Chaumont, Jean-Pierre  
 CS Laboratory Botany, Faculty Medicine and Pharmacy, Besancon, Fr.  
 SO *Mycopathologia* (1994), 128(3), 151-3  
 CODEN: MYCPAH; ISSN: 0301-486X  
 DT Journal

LA English  
CC 10-5 (Microbial, Algal, and Fungal Biochemistry)  
AB Cryptococcus neoformans opportunistic **fungus** present in the last phases of AIDS is inhibited in vitro by several essential oils on natural volatile compds. The minimal inhibitory concn. may reach 100 .mu.1/L and the minimal fungicidal concn. 200 .mu.1/l with palmarosa or cinnamon oil. Among phenolic compds., thymol and carvacrol were the most fungitoxic. Terpenoids, citral, geraniol, and citronellol showed the best activities.  
ST antifungal essential oil Cryptococcus; phenol essential oil antifungal Cryptococcus; terpenoid essential oil antifungal Cryptococcus  
IT Cryptococcus neoformans  
Fungicides and Fungistats  
(antifungal properties of essential oils and their main components on Cryptococcus neoformans)  
IT Phenols, biological studies  
Terpenes and Terpenoids, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(antifungal properties of essential oils and their main components on Cryptococcus neoformans)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(cajeput, leaf; antifungal properties of essential oils and their main components on Cryptococcus neoformans)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(tea, leaf; antifungal properties of essential oils and their main components on Cryptococcus neoformans)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(cinnamon, bark; antifungal properties of essential oils and their main components on Cryptococcus neoformans)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(clove, bud; antifungal properties of essential oils and their main components on Cryptococcus neoformans)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(cumin, fruit; antifungal properties of essential oils and their main components on Cryptococcus neoformans)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(geranium, leaf; antifungal properties of essential oils and their main components on Cryptococcus neoformans)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(lavender, flower; antifungal properties of essential oils and their

main components on *Cryptococcus neoformans*)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(marjoram, flower; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(mint, Mentha, leaf; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(origanum, flower; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(palmarosa, antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(sage, *Salvia officinalis*, leaf; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(sandalwood, antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(sassafras, root; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(savory, antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(thyme, *Thymus vulgaris*, antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(vetiver, antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)  
IT 78-70-6 . 79-77-6, .beta.-Ionone 89-80-5, Menthone 89-83-8, Thymol

97-53-0, Eugenol 99-49-0, Carvone 106-22-9, Citronellol 106-24-1,  
Geraniol 106-25-2, Nerol 488-10-8, cis-Jasmone 499-75-2, Carvacrol  
4602-84-0, Farnesol 5392-40-5, Citral 11031-45-1, Santalol  
68129-81-7, Vetiverol  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(antifungal properties of essential oils and their main components on Cryptococcus neoformans)

=> d 145 9 all

L45 ANSWER 9 OF 38 CA COPYRIGHT 2003 ACS on STN  
AN 130:114824 CA  
TI Antimicrobial and antioxidant properties of some commercial essential oils  
AU Baratta, M. Tiziana; Dorman, H. J. Damien; Deans, Stanley G.; Figueiredo, A. Cristina; Barroso, Jose G.; Ruberto, Giuseppe  
CS Department of Biochemical Sciences, Scottish Agricultural College, Auchincruive, Ayr, KA6 5HW, UK  
SO Flavour and Fragrance Journal (1998), 13(4), 235-244  
CODEN: FFJOED; ISSN: 0882-5734  
PB John Wiley & Sons Ltd.  
DT Journal  
LA English  
CC 63-4 (Pharmaceuticals)  
Section cross-reference(s): 10, 62  
AB The essential oil compn. of Cananga odorata, Boswellia thurifera, Cymbopogon citratus, Marjorana hortensis, Ocimum basilicum, Rosmarinus officinalis, Cinnamomum zeylanicum and Citrus limon was analyzed by GC and GC-MS, and their antimicrobial and antioxidant activity tested. Twenty-five different genera of bacteria and one fungal species were used in this study as test organisms. These included animal and plant pathogens, food poisoning and spoilage bacteria and the spoilage fungus Aspergillus niger. The volatile oils exhibited considerable inhibitory effect against all the tested organisms. The oils also demonstrated antioxidant capacities, comparable with alpha.-tocopherol and butylated hydroxytoluene (BHT). The method adopted in this study was the modified thiobarbituric acid reactive species (TBARS) assay. The antioxidant activity was carried out under different conditions by using egg yolk and rat liver in the absence and presence of the radical inducer 2,2'-azobis(2-amidinopropane) dihydrochloride (ABAP).  
ST essential oil antimicrobial antioxidant  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(Boswellia thurifera; antimicrobial and antioxidant properties of com. essential oils)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(Cananga odorata; antimicrobial and antioxidant properties of com. essential oils)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(West Indian lemongrass; antimicrobial and antioxidant properties of com. essential oils)  
IT Antimicrobial agents

Antioxidants  
(antimicrobial and antioxidant properties of com. essential oils)

IT Terpenes, biological studies  
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(basil, Ocimum basilicum, Ocimum basilicum; antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(cinnamon; antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils.  
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(lemon; antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(rosemary; antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(sweet marjoram; antimicrobial and antioxidant properties of com. essential oils)

IT 76-22-2, Camphor 76-49-3, Bornyl acetate 78-70-6, Linalool 79-92-5, Camphene 80-26-2 80-56-8, .alpha.-Pinene 87-44-5, .beta.-Caryophyllene 89-48-5, Methyl acetate 89-78-1, Menthol 89-80-5, Menthone 93-15-2, Methyleugenol 93-28-7, Eugenyl acetate 93-58-3, Methyl benzoate 97-53-0, Eugenol 98-55-5, .alpha.-Terpineol 99-49-0, Carvone 99-83-2, .alpha.-Phellandrene 99-85-4, .gamma.-Terpinene 99-86-5, .alpha.-Terpinene 99-87-6, p-Cymene 104-53-0, Dihydrocinnamaldehyde 104-54-1, Cinnamyl alcohol 105-87-3, Geranyl acetate 106-23-0, Citronellal 106-24-1, Geraniol 106-25-2, Nerol 106-29-6, Geranyl butyrate 110-93-0, 6-Methylhept-5-en-2-one 115-95-7, Linalyl acetate 120-51-4, Benzyl benzoate 122-03-2, Cumin aldehyde 123-35-3, Myrcene 124-18-5, Decane 127-91-3, .beta.-Pinene 138-86-3, Limonene 140-11-4, Benzyl acetate 140-67-0, Estragole 141-27-5, Geranial 150-84-5, Citronellyl acetate 470-82-6, 1,8-Cineole 471-15-8, .beta.-Thujone 473-13-2, .alpha.-Selinene 481-34-5, .alpha.-Cadinol 483-76-1, .delta.-Cadinene 489-40-7, .alpha.-Gurjunene 491-07-6, Isomenthone 495-61-4, .beta.-Bisabolene 502-61-4, .alpha.-trans,trans-Farnesene 507-70-0, Borneol 508-32-7, Tricyclene 546-80-5, .alpha.-Thujone 547-60-4, trans-3-Pinanone 555-10-2, .beta.-Phellandrene 562-74-3, Terpinen-4-ol 586-62-9, Terpinolene 659-70-1, Isoamyl isovalerate 673-84-7, allo-Ocimene 1139-30-6, Caryophyllene epoxide 1195-79-5, Fenchone 1674-08-4, trans-Pinocarveol 1820-09-3, trans-Verbenol 1845-30-3, cis-Verbenol 2867-05-2, .alpha.-Thujene 3338-55-4, cis-.beta.-Ocimene 3387-41-5, Sabinene 3779-61-1, trans-.beta.-Ocimene 3856-25-5, .alpha.-Copaene

3879-60-5, trans,cis-Farnesol 4180-23-8, trans-Anethole  
5208-59-3, .beta.-Bourbonene 5937-11-1 6750-60-3, Spathulenol  
6753-98-6, .alpha.-Humulene 7299-42-5, .delta.-Terpineol 10208-80-7,  
.alpha.-Murolene 13466-78-9, .DELTA.3-Carene 13474-59-4,  
trans-.alpha.-Bergamotene 13744-15-5, .beta.-Cubebene 14371-10-9,  
trans-Cinnamaldehyde 14575-74-7, .alpha.-Fenchol 14912-44-8,  
.alpha.-Ylangene 15537-55-0, cis-Sabinene hydrate 17066-67-0,  
.beta.-Selinene 17699-14-8, .alpha.-Cubebene 17699-16-0,  
trans-Sabinene hydrate 18309-32-5, Verbenone 18479-51-1,  
Dihydrolinalool 18794-84-8, trans-.beta.-Farnesene 19435-97-3,  
.delta.-Cadinol 19912-62-0 21040-45-9, trans-Cinnamyl acetate  
21284-22-0, Cubenol 23986-74-5, Germacrene D 24406-05-1,  
.alpha.-Cadinene 24703-35-3, Bicyclogermacrene 25246-27-9,  
allo-Aromadendrene 26897-24-5, Benzene, methoxy(methyl)- 27576-03-0,  
Dimethylstyrene 28973-97-9, cis-.beta.-Farnesene 28976-67-2,  
.beta.-Curcumene 29803-82-5, trans-p-Menth-2-en-1-ol 30021-74-0,  
.gamma.-Murolene 33880-83-0, .beta.-Elemene 39029-41-9,  
.gamma.-Cadinene 40716-66-3, trans-Nerolidol 57194-69-1,  
cis-Cinnamaldehyde

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)

(antimicrobial and antioxidant properties of com. essential oils)

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD  
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- (5) Davis, N; Appl Microbiol 1966, V14, P378 CA
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=> s 138 and 133  
L46 43 L38 AND L33

=> d 146 30-43

L46 ANSWER 30 OF 43 CA COPYRIGHT 2003 ACS on STN  
AN 103:98368 CA

TI Assessment of in vivo activity of bifonazole against dermatophytic infection in guinea pigs on the basis of the amount of a specific fungal cell wall component chitin in the infected skin

AU Uchida, K.; Yamaguchi, H.

CS Sch. Med., Teikyo Univ., Tokyo, 192-03, Japan

SO Dermatologica, Supplementum (1984), 169(1, Int. Symp. Bifonazole), 47-9  
CODEN: DMTSBV; ISSN: 0366-9394

DT Journal  
LA English

L46 ANSWER 31 OF 43 CA COPYRIGHT 2003 ACS on STN  
AN 101:147632 CA  
TI Candida krusei (Cast.) Berkhout from the draining sinuses in a human patient. Its drug sensitivity and pathogenicity  
AU Jacob, Z.; Ghosh, M.; Srivastava, O. P.  
CS Med. Mycol. Div., Cent. Drug Res. Inst., Lucknow, India  
SO Mykosen (1984), 27(7), 361-5  
CODEN: MYKSAW; ISSN: 0027-5557  
DT Journal  
LA English

L46 ANSWER 32 OF 43 CA COPYRIGHT 2003 ACS on STN  
AN 101:116738 CA  
TI Imidazole antimycotic gels for treating oral infections  
IN Von Bittera, Miklos; Buechel, Karl Heinz; Plempel, Manfred; Regel, Erik  
PA Bayer A.-G., Fed. Rep. Ger.  
SO Ger. Offen., 11 pp.  
CODEN: GWXXBX

DT Patent  
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3243546	A1	19840530	DE 1982-3243546	19821125
	NO 8304160	A	19840528	NO 1983-4160	19831114
	EP 112485	A2	19840704	EP 1983-111479	19831117
	EP 112485	A3	19851023		
	EP 112485	B1	19880427		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
	AT 33759	E	19880515	AT 1983-111479	19831117
	JP 59108712	A2	19840623	JP 1983-218838	19831122
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	ZA 8308774	A	19840725	ZA 1983-8774	19831124
	ES 527514	A1	19850101	ES 1983-527514	19831124
PRAI	DE 1982-3243546		19821125		
	EP 1983-111479		19831117		

L46 ANSWER 33 OF 43 CA COPYRIGHT 2003 ACS on STN  
AN 101:20459 CA  
TI Sensitivity of yeasts and filamentous fungi towards antifungals. Comparative in vitro studies  
AU Guglielminetti, M.; Crema, F.  
CS Ist. Microl. Med. "R. Ciferri and P. Redaelli", Univ. Pavia, Italy  
SO Farmaco, Edizione Pratica (1984), 39(5), 139-47  
CODEN: FRPPAO; ISSN: 0430-0912  
DT Journal  
LA Italian

L46 ANSWER 34 OF 43 CA COPYRIGHT 2003 ACS on STN  
AN 100:99438 CA  
TI Relative inhibition factors - a novel approach to the assessment of antifungal antibiotics in vitro  
AU Odds, F. C.; Abbott, A. B.  
CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK  
SO Journal of Antimicrobial Chemotherapy (1984), 13(1), 31-43  
CODEN: JACHDX; ISSN: 0305-7453  
DT Journal

LA English

L46 ANSWER 35 OF 43 CA COPYRIGHT 2003 ACS on STN

AN 97:188303 CA

TI High-release antimycotic agent in pencil form.

IN Von Bittera, Miklos; Buechel, Karl Heinz; Plempel, Manfred; Regel, Erik

PA Bayer A.-G., Fed. Rep. Ger.

SO Ger. Offen., 17 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3106635	A1	19820909	DE 1981-3106635	19810223
	NO 8200319	A	19820824	NO 1982-319	19820203
	US 4457938	A	19840703	US 1982-346479	19820205
	AU 8280326	A1	19820902	AU 1982-80326	19820210
	EP 58887	A1	19820901	EP 1982-101001	19820211
	EP 58887	B1	19840411		
	R: AT, BE, CH, DE, FR, GB, IT, NL, SE				
	AT 6988	E	19840415	AT 1982-101001	19820211
	FI 8200563	A	19820824	FI 1982-563	19820219
	IL 65057	A1	19850630	IL 1982-65057	19820219
	DK 8200765	A	19820824	DK 1982-765	19820222
	JP 57156413	A2	19820927	JP 1982-26173	19820222
	ZA 8201137	A	19830126	ZA 1982-1137	19820222
	ES 509798	A1	19830201	ES 1982-509798	19820222
	CA 1169770	A1	19840626	CA 1982-396788	19820222
PRAI	DE 1981-3106635		19810223		
	EP 1982-101001		19820211		

L46 ANSWER 36 OF 43 CA COPYRIGHT 2003 ACS on STN

AN 91:33009 CA

TI On the mode of action of antimycotics, especially of clotrimazole (Canesten), on the ultrastructural level of human pathogenic fungi

AU Voigt, Wolfgang Heinrich

CS Inst. Immunol. Oncol., Bayer A.-G., Wuppertal, Fed. Rep. Ger.

SO Scandinavian Journal of Infectious Diseases, Supplementum (1978), 16, 51-8  
CODEN: SJISAH; ISSN: 0300-8878

DT Journal

LA English

L46 ANSWER 37 OF 43 CA COPYRIGHT 2003 ACS on STN

AN 86:150596 CA

TI Clotrimazole (Canesten) therapy of fungal keratitis

AU Jones, Dan B.; Jones, Barrie R.; Robinson, Nettie M.

CS Baylor Coll. Med., Houston, TX, USA

SO Chemother., Proc. Int. Congr. Chemother., 9th (1976), Meeting Date 1975, Volume 6, 189-97. Editor(s): Williams, John David; Geddes, Alexander M. Publisher: Plenum, New York, N. Y.

CODEN: 35DFA6

DT Conference

LA English

L46 ANSWER 38 OF 43 CA COPYRIGHT 2003 ACS on STN

AN 86:133520 CA

TI The effect of clotrimazol (Canesten) on the ultrastructure of molds (*Aspergillus fumigatus*) in infected animals

AU Voigt, W. H.

CS Inst. Immunol. Onkol., BAYER A.-G., Wuppertal-Elberfeld, Fed. Rep. Ger.  
SO Mykosen (1976), 19(10), 345-53

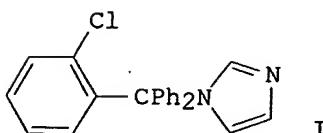
- CODEN: MYKSAW; ISSN: 0027-5557  
DT Journal  
LA German
- L46 ANSWER 39 OF 43 CA COPYRIGHT 2003 ACS on STN  
AN 84:145369 CA  
TI Sensitivity of Scopulariopsis brevicaulis to some antimicrobial agents  
AU Sekhon, Awatar S.  
CS Prov. Lab. Public Health, Univ. Alberta, Edmonton, AB, Can.  
SO Mycopathologia (1975), 57(3), 177-9  
CODEN: MYCPAH; ISSN: 0301-486X  
DT Journal  
LA English
- L46 ANSWER 40 OF 43 CA COPYRIGHT 2003 ACS on STN  
AN 81:145848 CA  
TI Antimycotic properties of clotrimazole  
AU Plempel, M.; Bartmann, K.; Buechel, K. H.; Regel, E.  
CS Bayer Res. Lab., Wuppertal-Elberfeld, Fed. Rep. Ger.  
SO Postgraduate Medical Journal, Supplement (1974), 50(1), 11-12  
CODEN: PMESAJ; ISSN: 0370-0593  
DT Journal  
LA English
- L46 ANSWER 41 OF 43 CA COPYRIGHT 2003 ACS on STN  
AN 81:72725 CA  
TI Electron microscopic studies of human pathogenic fungi. II.  
Ultrastructural changes in Candida albicans cells in human vaginal epithelium during clotrimazole therapy  
AU Voigt, W. H.; Schnell, J. D.  
CS Inst. Immunol. Onkol., Bayer A.-G., Wuppertal, Fed. Rep. Ger.  
SO Arzneimittel-Forschung (1974), 24(4), 516-21  
CODEN: ARZNAD; ISSN: 0004-4172  
DT Journal  
LA German
- L46 ANSWER 42 OF 43 CA COPYRIGHT 2003 ACS on STN  
AN 76:81677 CA  
TI In vitro susceptibility of the most important yeasts to BAY to 5097  
[bisphenyl(2-chlorophenyl)-1-imidazolylmethane  
AU Wehrspann, P.  
CS Medizinaluntersuchungsanst., Hyg. Inst. Freien Hansestadt Hamburg,  
Hamburg, Fed. Rep. Ger.  
SO Mykosen (1971), 14(11), 525-9  
CODEN: MYKSAW; ISSN: 0027-5557  
DT Journal  
LA German
- L46 ANSWER 43 OF 43 CA COPYRIGHT 2003 ACS on STN  
AN 75:86955 CA  
TI In vivo studies with Bay b 5097  
AU Shadomy, Smith  
CS Med. Coll. Virginia, Virginia Commonw. Univ., Richmond, VA, USA  
SO Antimicrobial Agents and Chemotherapy (1961-70) (1971), Volume Date 1970  
169-74  
CODEN: AACCHAX; ISSN: 0074-9923  
DT Journal  
LA English

=> d 146 40 all

L46 ANSWER 40 OF 43 CA COPYRIGHT 2003 ACS on STN  
AN 81:145848 CA  
TI Antimycotic properties of clotrimazole  
AU Plempel, M.; Bartmann, K.; Buechel, K. H.; Regel, E.  
CS Bayer Res. Lab., Wuppertal-Elberfeld, Fed. Rep. Ger.  
SO Postgraduate Medical Journal, Supplement (1974), 50(1), 11-12  
CODEN: PMESAJ; ISSN: 0370-0593  
DT Journal  
LA English  
CC 1-5 (Pharmacodynamics)  
Section cross-reference(s): 3  
AB Clotrimazole [23593-75-1] was fungistatic to a broad spectrum of pathogenic fungi *in vitro*, and fungicidal effects were obsd. at concns. in excess of 10-20 .mu.g/ml. In animal models, locally and orally administered clotrimazole was effective against dermatomycoses, candidiasis and sporotrichosis. The min. inhibiting concns. of clotrimazole *in vitro* depended on the size of the inoculum, and increased with increasing incubation time. For dermatophytes, molds, and budding fungi, secondary development of resistance to clotrimazole was either very slow or did not occur at all.  
ST clotrimazole antimycotic; fungus infection clotrimazole  
IT Fungi  
    (clotrimazole sensitivity of)  
IT Mycosis  
    (dermato-, clotrimazole treatment of)  
IT Candida  
IT Sporotrichum  
    (infection with, clotrimazole treatment of)  
IT 23593-75-1  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
    (antifungal activity of)

=> d 146 37 all

L46 ANSWER 37 OF 43 CA COPYRIGHT 2003 ACS on STN  
AN 86:150596 CA  
TI Clotrimazole (Canesten) therapy of fungal keratitis  
AU Jones, Dan B.; Jones, Barrie R.; Robinson, Nettie M.  
CS Baylor Coll. Med., Houston, TX, USA  
SO Chemother., Proc. Int. Congr. Chemother., 9th (1976), Meeting Date 1975,  
Volume 6, 189-97. Editor(s): Williams, John David; Geddes, Alexander M.  
Publisher: Plenum, New York, N. Y.  
CODEN: 35DFA6  
DT Conference  
LA English  
CC 1-5 (Pharmacodynamics)  
GI



AB Clotrimazole (I) [23593-75-1] was shown to be an effective agent for the treatment of fungal keratitis. It should be the drug of choice in *Aspergillus* keratitis and may be the initial form of therapy prior to

definitive mycolog. detns. provided there is no likelihood of Fusarium infection. With Candida infections, combined therapy with a polyene antibiotic may be useful.

ST clotrimazole **fungus** keratitis; eye infection **fungus**  
clotrimazole

IT Fusarium  
(keratitis from, clotrimazole treatment in relation to)

IT Aspergillus  
Candida  
(keratitis from, clotrimazole treatment of)

IT Eye, disease or disorder  
(keratitis, from **fungus**, clotrimazole treatment of)

IT 23593-75-1  
RL: BIOL (Biological study)  
(fungal keratitis treatment with)

=> s 137 and 133  
L47 76 L37 AND L33

=> s 147 and 146  
L48 21 L47 AND L46

=> d 121 10-21

L21 ANSWER 10 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:78918 CA  
TI Comparison of treatment with fluvastatin extended-release 80-mg tablets and immediate-release 40-mg capsules in patients with primary hypercholesterolemia  
AU Isaacsohn, Jonathan L.; LaSalle, James; Chao, George; Gonasun, Leonard  
CS Metabolic and Atherosclerosis Research Center, Cincinnati, OH, USA  
SO Clinical Therapeutics (2003), 25(3), 904-918  
CODEN: CLTHDG; ISSN: 0149-2918  
PB Excerpta Medica, Inc.  
DT Journal  
LA English  
RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 11 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:78890 CA  
TI Anti-diabetic activity of green tea polyphenols and their role in reducing oxidative stress in experimental diabetes  
AU Sabu, M. C.; Smitha, K.; Ramadasan, Kuttan  
CS Amala Nagar, Amala Cancer Research Centre, Trichur, 680 553, India  
SO Journal of Ethnopharmacology (2002), 83(1-2), 109-116  
CODEN: JOETD7; ISSN: 0378-8741  
PB Elsevier Science Ireland Ltd.  
DT Journal  
LA English  
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 12 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:68487 CA  
TI Food restriction attenuates blood lipid peroxidation in carbon tetrachloride-intoxicated rats  
AU Ramkumar, K. M.; Rajesh, R.; Anuradha, C. V.  
CS Faculty of Science, Department of Biochemistry, Annamalai University, Tamil Nadu, India  
SO Nutrition (New York, NY, United States) (2003), 19(4), 358-362

- CODEN: NUTRER; ISSN: 0899-9007  
PB Elsevier Science Inc.  
DT Journal  
LA English
- RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L21 ANSWER 13 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:67571 CA  
TI Interferon and ribavirin therapy for chronic hepatitis C virus genotype 6:  
a comparison with genotype 1  
AU Hui, Chee-Kin; Yuen, Man-Fung; Sablon, Erwin; Chan, Annie On-On; Wong,  
Benjamin Chun-Yu; Lai, Ching-Lung  
CS Department of Medicine, Queen Mary Hospital, The University of Hong Kong,  
Hong Kong, Peop. Rep. China  
SO Journal of Infectious Diseases (2003), 187(7), 1071-1074  
CODEN: JIDIAQ; ISSN: 0022-1899  
PB University of Chicago Press  
DT Journal  
LA English
- RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L21 ANSWER 14 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:67157 CA  
TI Prevalence of **transaminase** abnormalities in asymptomatic,  
healthy subjects participating in an executive health-screening program  
AU Patt, Cary H.; Yoo, Hwan Y.; Dibadj, Kourosh; Flynn, John; Thuluvath, Paul  
J.  
CS Department of Medicine, Johns Hopkins University School of Medicine,  
Baltimore, MD, USA  
SO Digestive Diseases and Sciences (2003), 48(4), 797-801  
CODEN: DDSCDJ; ISSN: 0163-2116  
PB Kluwer Academic/Plenum Publishers  
DT Journal  
LA English
- RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L21 ANSWER 15 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:66743 CA  
TI D-galactosamine induced hepatocyte apoptosis is inhibited in vivo and in  
cell culture by a calcium calmodulin antagonist, chlorpromazine, and a  
calcium channel blocker, verapamil  
AU Tsutsui, Shigeki; Itagaki, Shin-ichi; Kawamura, Seiji; Harada, Ken-ichi;  
Karaki, Hideaki; Doi, Kunio; Yoshikawa, Yasuhiro  
CS Department of Biomedical Science, Graduate School of Agricultural and Life  
Sciences, The University of Tokyo, Tokyo, 113-8657, Japan  
SO Experimental Animals (2003), 52(1), 43-52  
CODEN: JIDOAA; ISSN: 1341-1357  
PB Japanese Association for Laboratory Animal Science  
DT Journal  
LA English
- RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT
- L21 ANSWER 16 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:65376 CA  
TI Biochip which examines hepatic function by employing colorimetric method  
AU Oki, Akio; Ogawa, Hiroki; Takamura, Yuzuru; Horike, Yasuhiro  
CS Department of Materials Engineering, The University of Tokyo, Tokyo,  
113-8656, Japan

SO Japanese Journal of Applied Physics, Part 2: Letters (2003), 42(3B),  
L342-L345  
CODEN: JAPLD8

PB Japan Society of Applied Physics  
DT Journal  
LA English

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 17 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:64579 CA  
TI Comparative effect of benzanthrone and 3-bromobenzanthrone on hepatic xenobiotic metabolism and anti-oxidative defense system in guinea pigs  
AU Singh, Ravindra P.; Khanna, Raj; Kaw, Jawahar L.; Khanna, Subhash K.; Das, Mukul  
CS Department of Biochemistry, Lucknow University, Lucknow, India  
SO Archives of Toxicology (2003), 77(2), 94-99  
CODEN: ARTODN; ISSN: 0340-5761  
PB Springer-Verlag  
DT Journal  
LA English

RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 18 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:64555 CA  
TI GABAergic mechanisms of heroin-induced brain activation assessed with functional MRI  
AU Xi, Zheng-Xiong; Wu, Gaohong; Stein, Elliot A.; Li, Shi-Jiang  
CS Biophysics Research Institute, Medical College of Wisconsin, Milwaukee, WI, 53226, USA  
SO Magnetic Resonance in Medicine (2002), 48(5), 838-843  
CODEN: MRMEEN; ISSN: 0740-3194  
PB Wiley-Liss, Inc.  
DT Journal  
LA English

RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 19 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:63251 CA  
TI Comparison of hepatoprotective effects between ethanol and water extracts of Yinchenhao Tang decoction in mice  
AU Wang, Liqiang; Wang, Xijun  
CS The 211th Hospital of PLA, Harbin, 150080, Peop. Rep. China  
SO Zhongguo Yiyuan Yaoxue Zazhi (2002), 22(5), 263-264  
CODEN: ZYYAEP; ISSN: 1001-5213  
PB Zhongguo Yiyuan Yaoxue Zazhi Bianjibu  
DT Journal  
LA Chinese

L21 ANSWER 20 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:63212 CA  
TI Preservation of neurological functions by nitric oxide synthase inhibitors following hemorrhagic shock  
AU Ng, Kian Chye; Moothala, Shabbir M.; Md, Shirhan; Yap, Ee Lin; Low, Siew Yang; Lu, Jia  
CS Defense Science & Technology Agency, Defense Medical Research Institute, Singapore, 117579, Singapore  
SO Neuropharmacology (2003), 44(2), 244-252  
CODEN: NEPHBW; ISSN: 0028-3908  
PB Elsevier Science Ltd.

DT Journal  
LA English

RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 21 OF 19649 CA COPYRIGHT 2003 ACS on STN  
AN 139:63011 CA  
TI Hemostatic effects of atorvastatin versus simvastatin  
AU Kadikoylu, Gurhan; Yukselen, Vahit; Yavasoglu, Irfan; Bolaman, Zahit  
CS Department of Internal Medicine, Division of Haematology-Oncology, Medical School, Adnan Menderes University, Aydin, Turk.  
SO Annals of Pharmacotherapy (2003), 37(4), 478-484  
CODEN: APHRER; ISSN: 1060-0280  
PB Harvey Whitney Books Co.  
DT Journal  
LA English

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1 75 S FARNE SOL  
L2 1 S HEXANOYL SPHINGOSINE  
L3 0 S OLEOYL BETAINE  
L4 55 S URSOLIC ACID  
L5 165 S IONONE  
L6 0 S UTRECT-2  
L7 1 S UTRECHT 2  
L8 5 S BIFONAZOLE  
L9 6 S CLOTRIMAZOLE  
L10 5 S KETOCONAZOLE  
L11 15 S MICONAZOLE  
L12 0 S DAIZEDEIN  
L13 51 S DAIDZEIN  
L14 75 S GENISTEIN  
L15 0 S PHYTOESTRAGEN  
E PHYTOESTROGEN  
L16 3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17 10486 S RETINOL  
L18 0 S GLUTAMASE TRANSAMINASE  
L19 189 S GLUTAMATE TRANSAMINASE  
L20 0 S L19 AND L17  
L21 19649 S TRANSAMINASE  
L22 24 S L21 AND L17  
E DERMAL  
L23 11755 S E3-E11  
L24 3285 S L1  
E PHYTOESTROGEN  
L25 1454 S E3-E8  
L26 1 S L25 AND L23  
E SKIN  
L27 184746 S E3  
L28 22 S L27 AND L25  
L29 0 S RESVESEROL  
L30 1408 S RESVERATROL  
L31 4 S L30 AND L23

L32 O S L24 AND L30  
E FUNGUS  
L33 40001 S E3  
L34 21 S L33 AND L30  
L35 2462 S L13  
L36 3825 S L14  
L37 2384 S L10  
L38 1454 S L9  
L39 2 S L38 AND L35  
L40 47 S L35 AND L33  
L41 11 S L17 AND L33  
L42 28516 S VITAMIN A  
L43 26 S L42 AND L33  
L44 24 S L43 NOT L41  
L45 38 S L24 AND L33  
L46 43 S L38 AND L33  
L47 76 S L37 AND L33  
L48 21 S L47 AND L46

=> d 148 10-21

L48 ANSWER 10 OF 21 CA COPYRIGHT 2003 ACS on STN  
AN 130:264340 CA  
TI Acetate-mediated growth inhibition in sterol 14.alpha.-demethylation-deficient cells of *Candida albicans*  
AU Shimokawa, Osamu; Nakayama, Hiroaki  
CS Department of Microbiology, Faculty of Dentistry, Kyushu University, Fukuoka, 812-8582, Japan  
SO Antimicrobial Agents and Chemotherapy (1999), 43(1), 100-105  
CODEN: AMACQ; ISSN: 0066-4804  
PB American Society for Microbiology  
DT Journal  
LA English  
RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 11 OF 21 CA COPYRIGHT 2003 ACS on STN  
AN 130:77803 CA  
TI Biochemical properties of the products of cytochrome P450 genes (PDA) encoding pisatin demethylase activity in *Nectria haematococca*  
AU George, Helga L.; Hirschi, Kendal D.; VanEtten, Hans D.  
CS Department of Plant Pathology, University of Arizona, Tucson, AZ, 85721, USA  
SO Archives of Microbiology (1998), 170(3), 147-154  
CODEN: AMICCW; ISSN: 0302-8933  
PB Springer-Verlag  
DT Journal  
LA English  
RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 12 OF 21 CA COPYRIGHT 2003 ACS on STN  
AN 128:213381 CA  
TI Compositions and methods for treating infections using analogs of indolicidin  
IN Fraser, Janet R.; West, Michael H. P.; Krieger, Timothy J.; Taylor, Robert; Erfle, Douglas  
PA Micrologix Biotech, Inc., Can.; Fraser, Janet R.; West, Michael H. P.; Krieger, Timothy J.; Taylor, Robert; Erfle, Douglas  
SO PCT Int. Appl., 130 pp.  
CODEN: PIXXD2  
DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9807745	A2	19980226	WO 1997-US14779	19970821
	WO 9807745	A3	19980709		
	W:	AL, AM, AT, AU, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	AU 9743279	A1	19980306	AU 1997-43279	19970821
	EP 925308	A2	19990630	EP 1997-941352	19970821
	EP 925308	B1	20020605		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
	JP 2001500477	T2	20010116	JP 1998-510994	19970821
	EP 1174439	A2	20020123	EP 2001-119148	19970821
	EP 1174439	A3	20030326		
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
	AT 218579	E	20020615	AT 1997-941352	19970821
	ES 2178000	T3	20021216	ES 1997-941352	19970821
PRAI	US 1996-24754P	P	19960821		
	US 1997-34949P	P	19970113		
	EP 1997-941352	A3	19970821		
	WO 1997-US14779	W	19970821		
OS	MARPAT	128:213381			

L48 ANSWER 13 OF 21 CA COPYRIGHT 2003 ACS on STN

AN 126:101660 CA

TI In vitro susceptibility Malassezia furfur of against azole compounds

AU Schmidt, A.; Ruehl-Hoerster, B.

CS Bayer AG, Wuppertal, D-42096, Germany

SO Mycoses (1996), 39(7/8), 309-312

CODEN: MYCSEU; ISSN: 0933-7407

PB Blackwell

DT Journal

LA English

L48 ANSWER 14 OF 21 CA COPYRIGHT 2003 ACS on STN

AN 125:309072 CA

TI Topical antimycotic compositions for the treatment of onychomycosis

IN Giacalone, Joseph S.

PA Bioplex, L.C., USA

SO PCT Int. Appl., 12 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9630011	A1	19961003	WO 1996-US4390	19960329
		RW:	AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE		
PRAI	US 1995-413636		19950330		

L48 ANSWER 15 OF 21 CA COPYRIGHT 2003 ACS on STN

AN 110:358 CA

TI Effects of azole antifungals in vitro on host/parasite interactions

- AU relevant to candida infections  
AU Odds, F. C.; Webster, C. E.  
CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 9HN, UK  
SO Journal of Antimicrobial Chemotherapy (1988), 22(4), 473-81  
CODEN: JACHDX; ISSN: 0305-7453  
DT Journal  
LA English
- L48 ANSWER 16 OF 21 CA COPYRIGHT 2003 ACS on STN  
AN 109:226454 CA  
TI Binding of plasma proteins to Candida species in vitro  
AU Page, S.; Odds, F. C.  
CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK  
SO Journal of General Microbiology (1988), 134(10), 2693-702  
CODEN: JGMIAN; ISSN: 0022-1287  
DT Journal  
LA English
- L48 ANSWER 17 OF 21 CA COPYRIGHT 2003 ACS on STN  
AN 108:145709 CA  
TI Interaction of azole derivatives with cytochrome P-450 isozymes in yeast, fungi, plants and mammalian cells  
AU Vanden Bossche, Hugo; Marichal, Patrick; Gorrens, Jos; Bellens, Danny; Verhoeven, Hugo; Coene, Marie Claire; Lauwers, William; Janssen, Paul A. J.  
CS Dep. Life Sci., Janssen Pharm. Res. Lab., Beerse, B-2340, Belg.  
SO Pesticide Science (1987), 21(4), 289-306  
CODEN: PSSCBG; ISSN: 0031-613X  
DT Journal  
LA English
- L48 ANSWER 18 OF 21 CA COPYRIGHT 2003 ACS on STN  
AN 105:222155 CA  
TI Disk agar diffusion and microplate automatized technics for in vitro evaluation of antifungal agents on yeasts and sporulated pathogenic fungi  
AU Drouhet, E.; Dupont, B.; Improvisi, L.; Viviani, M. A.; Tortorano, A. M.  
CS Unite Mycol., Inst. Pasteur, Paris, 75015, Fr.  
SO In Vitro In Vivo Eval. Antifungal Agents, Proc. Int. Symp. (1986), Meeting Date 1985, 31-49. Editor(s): Iwata, Kazuo; Vanden Bossche, H. Publisher: Elsevier, Amsterdam, Neth.  
CODEN: 55GMAU  
DT Conference  
LA English
- L48 ANSWER 19 OF 21 CA COPYRIGHT 2003 ACS on STN  
AN 103:210970 CA  
TI Effects of imidazole- and triazole-derivative antifungal compounds on the growth and morphological development of *Candida albicans* hyphae  
AU Odds, F. C.; Cockayne, A.; Hayward, J.; Abbott, A. B.  
CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK  
SO Journal of General Microbiology (1985), 131(10), 2581-9  
CODEN: JGMIAN; ISSN: 0022-1287  
DT Journal  
LA English
- L48 ANSWER 20 OF 21 CA COPYRIGHT 2003 ACS on STN  
AN 101:20459 CA  
TI Sensitivity of yeasts and filamentous fungi towards antifungals. Comparative in vitro studies  
AU Guglielminetti, M.; Crema, F.  
CS Ist. Micol. Med. "R. Ciferri and P. Redaelli", Univ. Pavia, Italy  
SO Farmaco, Edizione Pratica (1984), 39(5), 139-47

CODEN: FRPPAO; ISSN: 0430-0912  
DT Journal  
LA Italian

L48 ANSWER 21 OF 21 CA COPYRIGHT 2003 ACS on STN  
AN 100:99438 CA  
TI Relative inhibition factors - a novel approach to the assessment of antifungal antibiotics in vitro  
AU Odds, F. C.; Abbott, A. B.  
CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK  
SO Journal of Antimicrobial Chemotherapy (1984), 13(1), 31-43  
CODEN: JACHDX; ISSN: 0305-7453  
DT Journal  
LA English

=> d 148 21 all

L48 ANSWER 21 OF 21 CA COPYRIGHT 2003 ACS on STN  
AN 100:99438 CA  
TI Relative inhibition factors - a novel approach to the assessment of antifungal antibiotics in vitro  
AU Odds, F. C.; Abbott, A. B.  
CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK  
SO Journal of Antimicrobial Chemotherapy (1984), 13(1), 31-43  
CODEN: JACHDX; ISSN: 0305-7453  
DT Journal  
LA English  
CC 9-10 (Biochemical Methods)  
Section cross-reference(s): 10  
AB A system is described for measurement of relative inhibition factors (RIFs) for antifungal agents, i.e., the area under a fixed portion of the antifungal dose-response curve, expressed as a percentage of the area under the dose-response curve for a theor. noninhibitory substance. The RIFs for the 2 polyenes 5-fluorocytosine (5FC) and griseofulvin correlated with the known inhibitory activity of these compds. against pathogenic yeasts, Aspergillus species, and dermatophytes in vitro and in vivo but revealed wholly new relative inhibitory properties among 5 imidazole antifungals: ketoconazole and tioconazole emerged as the most active imidazole antifungals against yeasts and clotrimazole and econazole against Aspergillus species. Because of the high reproducibility of the assay and because tests were done in a tissue culture medium in the presence of serum, it is considered that measurement of RIFs could give better predictions of likely antifungal activity in vivo than is at present afforded by tests for minimal inhibitory concns.  
ST fungicide fungi yeast sensitivity test; antibiotic fungus sensitivity test  
IT Aspergillus flavus  
Aspergillus fumigatus  
Candida albicans  
Candida glabrata  
Candida guilliermondii  
Candida krusei  
Candida parapsilosis  
Candida pseudotropicalis  
Candida tropicalis  
Cryptococcus neoformans  
Microsporum canis  
Trichophyton mentagrophytes  
Trichophyton rubrum  
Yeast  
(antibiotic sensitivity of, relative inhibition factors for assessment

of)  
IT Fungicides and Fungistats  
(relative inhibition factors for assessment of)  
IT Fungi  
(skin-infecting, antibiotic sensitivity of, relative inhibition factors  
for assessment of)  
IT 126-07-8 1397-89-3 1400-61-9 2022-85-7 22916-47-8  
**23593-75-1** 27220-47-9 **65277-42-1** 65899-73-2  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); BIOL (Biological study)  
(antifungal activity of, relative inhibition factors for assessment of)

=> d 148 20 all

L48 ANSWER 20 OF 21 CA COPYRIGHT 2003 ACS on STN  
AN 101:20459 CA  
TI Sensitivity of yeasts and filamentous fungi towards antifungals.  
Comparative in vitro studies  
AU Guglielminetti, M.; Crema, F.  
CS Ist. Microl. Med. "R. Ciferri and P. Redaelli", Univ. Pavia, Italy  
SO Farmaco, Edizione Pratica (1984), 39(5), 139-47  
CODEN: FRPPAO; ISSN: 0430-0912  
DT Journal  
LA Italian  
CC 10-5 (Microbial Biochemistry)  
Section cross-reference(s): 5  
AB The sensitivity of 69 strains of filamentous fungi (*Aspergillus fumigatus*,  
*A. flavus*, *A. glaucus*, *A. candidus*, *Penicillium*, *Rhizopus stolonifer*,  
etc.) and of 103 yeast strains (*Candida albicans*, *C. krusei*, *C.  
stellatoidea*, etc.) isolated from humans, was tested in vitro against  
5-fluorocytosine, nystatin, amphotericin B, ketoconazole, miconazole,  
clotrimazole, econazole, tioconazole, and griseofulvin. Of the fungal  
strains, 35% were sensitive to 5-fluorocytosine and nystatin, and 95% to  
econazole. Of the *Candida* strains, 82% were sensitive to 5-fluorocytosine  
and clotrimazole.  
ST yeast **fungus** fungicide antibiotic; *Aspergillus* fungicide  
antibiotic; *Candida* fungicide antibiotic  
IT *Aspergillus candidus*  
*Aspergillus clavatus*  
*Aspergillus flavus*  
*Aspergillus fumigatus*  
*Aspergillus glaucus*  
*Aspergillus nidulans*  
*Aspergillus niger*  
*Aspergillus ochraceus*  
*Aspergillus sydowii*  
*Aspergillus versicolor*  
*Candida*  
*Candida albicans*  
*Candida glaebosa*  
*Candida intermedia*  
*Candida krusei*  
*Candida langeronii*  
*Candida maritima*  
*Candida stellatoidea*  
*Chaetomium globosum*  
*Epicoccum purpurascens*  
*Eupenicillium*  
*Geotrichum candidum*  
*Humicola lanuginosa*  
*Microsporum canis*

*Microsporum gypseum*  
*Mucor pusillus*  
*Penicillium*  
*Rhizopus stolonifer*  
*Rhodotorula glutinis*  
*Rhodotorula rubra*  
*Saccharomyces cerevisiae*  
*Trichoderma viride*  
*Trichophyton mentagrophytes*  
*Trichophyton rubrum*  
    (antibiotics and fungicides effect on strains of, sensitivity in  
    relation to)  
IT   Antibiotics  
    Fungicides and Fungistats  
        (fungi and yeast response to, sensitivity in relation to)  
IT   126-07-8   1397-89-3   1400-61-9   2022-85-7   22916-47-8  
    **23593-75-1**   27220-47-9   **65277-42-1**   65899-73-2  
    RL: BIOL (Biological study)  
        (fungi and yeast sensitivity to)

=> s hydroxy quinoline  
      390376 HYDROXY  
         43182 QUINOLINE  
L49       370 HYDROXY QUINOLINE  
         (HYDROXY(W)QUINOLINE)

=> d 149 and 133  
L33 IS NOT VALID HERE  
For an explanation, enter "HELP DISPLAY".

=> s 149 and 133  
L50       1 L49 AND L33

=> d 150 1 all

L50 ANSWER 1 OF 1 CA COPYRIGHT 2003 ACS on STN  
AN 136:6492 CA  
TI Biologically active polymers. IV. Synthesis and antimicrobial activity of  
polymers containing 8-hydroxyquinoline moiety  
AU Kenawy, El-Refaie  
CS Chemistry Department, Polymer Research Group, Faculty of Science,  
University of Tanta, Tanta, Egypt  
SO Journal of Applied Polymer Science (2001), 82(6), 1364-1374  
CODEN: JAPNAB; ISSN: 0021-8995  
PB John Wiley & Sons, Inc.  
DT Journal  
LA English  
CC 35-8 (Chemistry of Synthetic High Polymers)  
Section cross-reference(s): 1  
AB Polymers contg. 8-hydroxyquinoline moiety were prepd. Chloromethyl groups  
were introduced in poly(glycidyl methacrylate) by hydrolysis and  
chloroacetylation or by amination with ethylenediamine or  
hexamethylenediamine, followed by reacting with chloroacetyl chloride.  
The polymers contg. 8-hydroxyquinoline moiety were prepd. by reacting the  
chloromethyl groups contg. polymers with potassium salt of 8-  
**hydroxy quinoline**. The antimicrobial activity of the  
polymers obtained was examd. against gram-neg. bacteria (*Escherichia coli*)  
and gram-pos. bacteria (*Bacillus subtilis*) as well as the **fungus**  
*Trichophyton rubrum*. Generally, all three polymers proved effective  
against the tested microorganisms, but growth inhibitory effects varied  
from one another.

ST polyglycidyl methacrylate hydroxyquinoline moiety antimicrobial activity  
 IT Antimicrobial agents  
     (synthesis and antimicrobial activity of polymers contg.  
     8-hydroxyquinoline moiety)  
 IT 79-04-9DP, Chloroacetyl chloride, reaction products with poly(glycidyl methacrylate), hydroxyquinoline derivs. 107-15-3DP, Ethylenediamine, reaction products with poly(glycidyl methacrylate), hydroxyquinoline derivs. 124-09-4DP, Hexamethylenediamine, reaction products with poly(glycidyl methacrylate), hydroxyquinoline derivs. 25067-05-4DP, Poly(glycidyl methacrylate), 8-hydroxyquinoline-contg. 37407-37-7DP, Potassium 8-quinolinolate, reaction products with hydrolyzed poly(glycidyl methacrylate) derivs.  
 RL: BSU (Biological study, unclassified); SPN (Synthetic preparation);  
 BIOL (Biological study); PREP (Preparation)  
     (synthesis and antimicrobial activity of polymers contg.  
     8-hydroxyquinoline moiety)

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

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- (2) Casterton, J; J Antimicrob Chemother 1975, V1, P363
- (3) Franklin, T; Biochemistry of Antimicrobial Action 1981, P58
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- (5) Gel'Man, N; Bacterial Membranes and the Respiratory Chain 1975, P27
- (6) Greenwald, R; J Bioact Biocompat Polym 1992, V7, P82 CA
- (7) Greenwood, D; Antibiotic and Chemotherapy 1997, P10 CA
- (8) Hancock, R; J Antimicrob Chemother 1992, V29, P235 MEDLINE
- (9) Hungo, W; J Pharm Pharmacol 1964, V16, P655
- (10) Hungo, W; J Pharm Pharmacol 1966, V18, P569
- (11) Hunter, T; J Polymer 1994, V35, P3530 CA
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- (13) Ikeda, T; Biochim Biophys Acta 1984, V769, P57 CA
- (14) Ikeda, T; Makromol Chem 1984, V185, P869 CA
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- (16) Kanazawa, A; J Polym Sci Part A: Polym Chem 1993, V31, P1441 CA
- (17) Kanazawa, A; J Polym Sci Part A: Polym Chem 1993, V31, P335 CA
- (18) Katchalsky, A; J Biophys 1964, V4, P9 CA
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- (21) Nakashima, T; Bokin Bobai 1987, V15, P325 CA
- (22) Nam, C; J Appl Polym Sci 1999, V74, P2258 CA
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- (24) Nurdin, N; J Appl Polym Sci 1993, V50, P671 CA
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- (28) Shin, Y; J Appl Polym Sci 1999, V74, P2911 CA
- (29) Uemura, Y; J Appl Polym Sci 1999, V72, P371 CA

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

- |    |     |                        |
|----|-----|------------------------|
| L1 | 75  | S FARNESOL             |
| L2 | 1   | S HEXANOYL SPHINGOSINE |
| L3 | 0   | S OLEOYL BETAINE       |
| L4 | 55  | S URSOLIC ACID         |
| L5 | 165 | S IOÑONE               |
| L6 | 0   | S UTRECT-2             |
| L7 | 1   | S UTRECHT 2            |
| L8 | 5   | S BIFONAZOLE           |

L9            6 S CLOTRIMAZOLE  
L10          5 S KETOCONAZOLE  
L11          15 S MICONAZOLE  
L12          0 S DAIZEDEIN  
L13          51 S DAIDZEIN  
L14          75 S GENISTEIN  
L15          0 S PHYTOESTRAGEN  
              E PHYTOESTROGEN  
L16          3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17          10486 S RETINOL  
L18          0 S GLUTAMASE TRANSAMINASE  
L19          189 S GLUTAMATE TRANSAMINASE  
L20          0 S L19 AND L17  
L21          19649 S TRANSAMINASE  
L22          24 S L21 AND L17  
              E DERMAL  
L23          11755 S E3-E11  
L24          3285 S L1  
              E PHYTOESTROGEN  
L25          1454 S E3-E8  
L26          1 S L25 AND L23  
              E SKIN  
L27          184746 S E3  
L28          22 S L27 AND L25  
L29          0 S RESVESEROL  
L30          1408 S RESVERATROL  
L31          4 S L30 AND L23  
L32          0 S L24 AND L30  
              E FUNGUS  
L33          40001 S E3  
L34          21 S L33 AND L30  
L35          2462 S L13  
L36          3825 S L14  
L37          2384 S L10  
L38          1454 S L9  
L39          2 S L38 AND L35  
L40          47 S L35 AND L33  
L41          11 S L17 AND L33  
L42          28516 S VITAMIN A  
L43          26 S L42 AND L33  
L44          24 S L43 NOT L41  
L45          38 S L24 AND L33  
L46          43 S L38 AND L33  
L47          76 S L37 AND L33  
L48          21 S L47 AND L46  
L49          370 S HYDROXY QUINOLINE  
L50          1 S L49 AND L33

=> s 124 and 127

L51          113 L24 AND L27

=> d 151 80-113

L51 ANSWER 80 OF 113 CA COPYRIGHT 2003 ACS on STN  
AN 123:40727 CA  
TI Composition and method for visibly reducing the size of **skin**  
pores  
IN Duffy, John A.; Znaiden, Alexander P.  
PA Avon Products, Inc., USA  
SO U.S., 5 pp. Cont. of U.S. Ser. No. 986,814, abandoned.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5415861	A	19950516	US 1994-238978	19940506
	US 5472699	A	19951205	US 1995-380347	19950127
PRAI	US 1991-724104		19910701		
	US 1992-986814		19921208		
	US 1994-238978		19940506		

L51 ANSWER 81 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 122:281655 CA

TI Preclinical efficacy evaluation of potential chemopreventive agents in animal carcinogenesis models: methods and results from the NCI Chemoprevention Drug Development Program

AU Steele, Vernon E.; Moon, Richard C.; Lubet, Ronald A.; Grubbs, Clinton J.; Reddy, Bandaru S.; Wargovich, Michael; McCormick, David L.; Pereira, Michael A.; Crowell, James A.; et al.

CS DCPC, National Institutes of Health, Bethesda, MD, 20892, USA

SO Journal of Cellular Biochemistry (1994), (Suppl. 20), 32-54

CODEN: JCEBD5; ISSN: 0730-2312

PB Wiley-Liss

DT Journal

LA English

L51 ANSWER 82 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 122:169916 CA

TI Effects of penetration enhancer treatment on the statistical distribution of human skin permeabilities

AU Cornwell, P. A.; Barry, B. W.

CS Postgraduate Studies in Pharmaceutical Technology, The School of Pharmacy, University of Bradford, Bradford, BD7 1DP, UK

SO International Journal of Pharmaceutics (1995), 117(1), 101-12

CODEN: IJPHDE; ISSN: 0378-5173

PB Elsevier

DT Journal

LA English

L51 ANSWER 83 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 122:142078 CA

TI Perfume compositions

IN Sawano, Kyohito; Iwai, Hisao; Hatsutori, Renzo; Nakamura, Shoji; Komata, Akihiko

PA Takasago Perfumery Co., Ltd., Japan; Shiseido Co., Ltd.

SO Jpn. Kokai Tokkyo Koho, 18 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06179610	A2	19940628	JP 1992-166734	19920603
	JP 3024865	B2	20000327		
PRAI	JP 1992-166734		19920603		

L51 ANSWER 84 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 122:79653 CA

TI Methyl trans-geranate and -farnesoate as markers for Gewurztraminer grape skins and related distillates.

AU Versini, G.; Rapp, A.; Serra, A. Dalla; Pichler, U.; Ramponi, M.

CS Laboratorio di Analisi e di Ricerca, Istituto Agrario di San Michele all'Adige, Trento, I-38010, Italy  
SO Vitis (1994), 33(3), 139-42  
CODEN: VITIAY; ISSN: 0042-7500  
DT Journal  
LA English

L51 ANSWER 85 OF 113 CA COPYRIGHT 2003 ACS on STN  
AN 122:76551 CA  
TI Volatile constituents of the seed and fruit **skin** oils of Catimbium latilabre (Ridl.) Holtt. from Vietnam  
AU Leclercq, Piet A.; Dung, Nguyen Xuan; Chinh, Trinh Dinh; Rang, Do Dinh  
CS Department Chemical Engineering, Eindhoven University Technology, Eindhoven, 5600 MB, Neth.  
SO Journal of Essential Oil Research (1994), 6(5), 541-3  
CODEN: JEOREG; ISSN: 1041-2905  
DT Journal  
LA English

L51 ANSWER 86 OF 113 CA COPYRIGHT 2003 ACS on STN  
AN 121:246297 CA  
TI preparation of cell differentiation-inducing geranylgeranyl analogs for cancer treatment  
IN Sakai, Tatsu; Tanaka, Tomohide; Sato, Kana; Hibi, Takashi; Tanabe, Yoshio; Oosawa, Shigemitsu  
PA Eisai Co Ltd, Japan  
SO Jpn. Kokai Tokkyo Koho, 13 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06192073	A2	19940712	JP 1992-357256	19921224
PRAI	JP 1992-357256		19921224		
OS	MARPAT 121:246297				

L51 ANSWER 87 OF 113 CA COPYRIGHT 2003 ACS on STN  
AN 121:91354 CA  
TI cosmetics for rough **skin**  
IN Matsubara, Akyoshi; Nagasawa, Yumi; Shaku, Masao  
PA Pola Kasei Kogyo Kk, Japan  
SO Jpn. Kokai Tokkyo Koho, 8 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06128137	A2	19940510	JP 1992-274633	19921013
	JP 3104938	B2	20001030		
PRAI	JP 1992-274633		19921013		

L51 ANSWER 88 OF 113 CA COPYRIGHT 2003 ACS on STN  
AN 121:91289 CA  
TI Cutaneous active substances and their complexes  
AU Tur, Wladimir  
CS Switz.  
SO Cosmetic News (1993), 16(92), 308-12  
CODEN: COSNDG; ISSN: 1125-6222  
DT Journal  
LA Italian

L51 ANSWER 89 OF 113 CA COPYRIGHT 2003 ACS on STN  
AN 120:307256 CA  
TI Sesquiterpene components of volatile oils as skin penetration enhancers for the hydrophilic permeant 5-fluorouracil  
AU Cornwell, P. A.; Barry, B. W.  
CS Sch. Pharm., Univ. Bradford, Bradford/W. Yorkshire, BD7 1DP, UK  
SO Journal of Pharmacy and Pharmacology (1994), 46(4), 261-9  
CODEN: JPPMAB; ISSN: 0022-3573  
DT Journal  
LA English

L51 ANSWER 90 OF 113 CA COPYRIGHT 2003 ACS on STN  
AN 119:256569 CA  
TI Transdermal preparations containing N-lauroylsarcosine and guaiazulene and/or farnesol  
IN Aioi, Akihiro; Izumoto, Taneya; Kuryama, Kyoshi  
PA Sekisui Chemical Co Ltd, Japan  
SO Jpn. Kokai Tokkyo Koho, 12 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 05229962	A2	19930907	JP 1992-34785	19920221
	JP 3224582	B2	20011029		
PRAI	JP 1992-34785		19920221		

L51 ANSWER 91 OF 113 CA COPYRIGHT 2003 ACS on STN  
AN 119:79784 CA  
TI The essential oils of flowers and fruit skin of two types of Citrus maxima from Doan Hung and Van Tri  
AU Nguyen Xuan Dung; Nguyen Manh Pha; Vu Ngoc Lo  
CS Ha Noi Univ., Vietnam  
SO Tap Chi Duoc Hoc (1992), (6), 15-17  
CODEN: TCDHDQ; ISSN: 0258-6967  
DT Journal  
LA Vietnamese

L51 ANSWER 92 OF 113 CA COPYRIGHT 2003 ACS on STN  
AN 118:240934 CA  
TI Synergistic dermatological drugs comprising tocopherols and isoprenoid lipid precursors  
IN Momenai, Hamid  
PA Germany  
SO Ger. Offen., 5 pp.  
CODEN: GWXXBX  
DT Patent  
LA German  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4125871	A1	19930318	DE 1991-4125871	19910805
PRAI	DE 1991-4125871		19910805		

L51 ANSWER 93 OF 113 CA COPYRIGHT 2003 ACS on STN  
AN 118:240470 CA  
TI Skin-protecting oil-in-water emulsion  
IN Schreiber, Engelbert  
PA Liechtenstein  
SO Patentschrift (Switz.), 7 pp.

CODEN: SWXXAS

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI CH 680565	A	19920930	CH 1990-771	19900308
PRAI CH 1990-771		19900308		

L51 ANSWER 94 OF 113 CA COPYRIGHT 2003 ACS on STN  
 AN 116:214752 CA  
 TI Preparation of terpenylorcinol compounds as tyrosinase inhibitors, antioxidants, and antibacterial agents  
 IN Shibata, Hisao; Minosasa, Yusuke; Matsui, Kiyoko; Uehara, Hisao; Tanaka, Hiroshi  
 PA Naris Cosmetics Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 29 pp.  
 CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 03284612	A2	19911216	JP 1990-86737	19900330
JP 2969363	B2	19991102		
PRAI JP 1990-86737		19900330		
OS MARPAT 116:214752				

L51 ANSWER 95 OF 113 CA COPYRIGHT 2003 ACS on STN  
 AN 116:180924 CA  
 TI Cosmetic compositions containing vitamin A derivatives in liposomes for transport through membranes  
 IN Gutierrez, Gilles  
 PA Patrinove, Fr.; Texinfine  
 SO Eur. Pat. Appl., 7 pp.  
 CODEN: EPXXDW

DT Patent

LA French

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 467795	A2	19920122	EP 1991-420223	19910704
EP 467795	A3	19930310		
R: AT, BE; CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
FR 2664164	A1	19920110	FR 1990-8781	19900704
FR 2664164	B1	19941125		
ZA 9105121	A	19920527	ZA 1991-5121	19910702
AU 9180218	A1	19920109	AU 1991-80218	19910704
JP 05025036	A2	19930202	JP 1991-259929	19910704
PRAI FR 1990-8781		19900704		

L51 ANSWER 96 OF 113 CA COPYRIGHT 2003 ACS on STN  
 AN 116:28160 CA  
 TI Topical pharmaceuticals and cosmetics containing biodegradable nanoparticles for skin treatment  
 IN Handjani, Rose Marie; Ribier, Alain  
 PA Oreal S. A., Fr.  
 SO Eur. Pat. Appl., 20 pp.  
 CODEN: EPXXDW

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 447318	A1	19910918	EP 1991-400684	19910313
	EP 447318	B1	19950531		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE				
	FR 2659554	A1	19910920	FR 1990-3418	19900316
	FR 2659554	B1	19940930		
	ES 2072563	T3	19950716	ES 1991-400684	19910313
	CA 2038331	AA	19910917	CA 1991-2038331	19910315
	CA 2038331	C	19981027		
	ZA 9101933	A	19911224	ZA 1991-1933	19910315
	JP 05148129	A2	19930615	JP 1991-216760	19910315
	US 6203802	B1	20010320	US 1994-195081	19940214
	US 2001010824	A1	20010802	US 2001-766593	20010123
PRAI	FR 1990-3418	A	19900316		
	US 1991-668308	B1	19910313		
	US 1992-961537	B1	19921015		
	US 1994-195081	A1	19940214		

L51 ANSWER 97 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 114:69049 CA

TI Ozonides of terpenes and their medical uses

IN Herman, Stephen

PA USA

SO PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8912626	A1	19891228	WO 1989-US2640	19890616
	W: AU, BR, JP, KR				
	RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	AU 8940586	A1	19900112	AU 1989-40586	19890616
	EP 427781	A1	19910522	EP 1989-909317	19890616
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	JP 04502145	T2	19920416	JP 1989-508769	19890616
	CA 1338083	A1	19960227	CA 1989-603585	19890622
	US 5190979	A	19930302	US 1992-896735	19920609
	US 5364879	A	19941115	US 1994-195983	19940214
PRAI	US 1988-211378		19880624		
	WO 1989-US2640		19890616		
	US 1989-456216		19891220		
	US 1991-813962		19911224		
	US 1992-823087		19920115		
	US 1992-996503		19921223		

L51 ANSWER 98 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 111:45065 CA

TI Deodorizing bactericidal cosmetics containing farnesol and glycerol monolaurate and hydroxyalkyl phenyl ethers

IN Hoppe, Udo; Eigener, Ulrich; Sauermann, Gerhard; Engel, Walter; Pape, Wolfgang

PA Beiersdorf A.-G., Fed. Rep. Ger.

SO Ger. Offen., 9 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 3740186	A1	19890105	DE 1987-3740186	19871127
	ZA 8803367	A	19881228	ZA 1988-3367	19880511
	CA 1322174	A1	19930914	CA 1988-566468	19880511
	US 4921694	A	19900501	US 1988-197949	19880524
	AU 8816661	A1	19890105	AU 1988-16661	19880526
	AU 604901	B2	19910103		
	EP 297310	A2	19890104	EP 1988-108959	19880604
	EP 297310	A3	19890531		
	EP 297310	B1	19910828		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, SE				
	AT 66595	E	19910915	AT 1988-108959	19880604
	ES 2038715	T3	19930801	ES 1988-108959	19880604
	JP 01022815	A2	19890125	JP 1988-148394	19880617
	JP 07098739	B4	19951025		
	DD 299037	A5	19920326	DD 1988-316955	19880620
	DK 8803378	A	19881225	DK 1988-3378	19880621
	FI 8803055	A	19881225	FI 1988-3055	19880623
	HU 46843	A2	19881228	HU 1988-3193	19880623
	HU 198123	B	19890828		
PRAI	DE 1987-3720831		19870624		
	DE 1987-3740186		19871127		
	EP 1988-108959		19880604		

L51 ANSWER 99 OF 113 CA COPYRIGHT 2003 ACS on STN  
AN 110:154618 CA  
TI 1-(Substituted)azacyclopentan-2-ones as transdermal absorption enhancers,  
their preparation, and formulations containing them  
IN Hashida, Mitsuru; Sezaki, Hitoshi; Konishi, Michiko; Mori, Fumio; Nishida,  
Takuji  
PA Kuraray Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63215665	A2	19880908	JP 1987-49857	19870303
PRAI	JP 1987-49857		19870303		
OS	MARPAT 110:154618				

L51 ANSWER 100 OF 113 CA COPYRIGHT 2003 ACS on STN  
AN 110:101853 CA  
TI Transdermal drugs containing N-substituted lanctams as absorption  
accelerators  
IN Hashida, Mitsuru; Sezaki, Hitoshi; Konishi, Michiko; Mori, Fumio; Nishida,  
Takuji  
PA Kuraray Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63215667	A2	19880908	JP 1987-49859	19870303
	JP 07002717	B4	19950118		
PRAI	JP 1987-49859		19870303		
OS	MARPAT 110:101853				

L51 ANSWER 101 OF 113 CA COPYRIGHT 2003 ACS on STN  
AN 110:101852 CA

TI 1-Substituted-azacyclohexan-2-ones and their transdermal drugs as absorption accelerators  
IN Hashida, Mitsuru; Sezaki, Hitoshi; Konishi, Michiko; Mori, Fumio; Nishida, Takuji  
PA Kuraray Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 6 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63215666	A2	19880908	JP 1987-49858	19870303
	JP 07088360	B4	19950927		
PRAI	JP 1987-49858		19870303		
OS	MARPAT 110:101852				

L51 ANSWER 102 OF 113 CA COPYRIGHT 2003 ACS on STN  
AN 109:237024 CA  
TI Transdermal formulations containing 1-azacycloheptan-2-one derivatives as absorption accelerators  
IN Hashida, Mitsuru; Sezaki, Hitoshi; Kanehira, Koichi; Mori, Fumio; Nishida, Takuji  
PA Kuraray Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 10 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63066172	A2	19880324	JP 1986-212065	19860908
	JP 07030029	B4	19950405		
PRAI	JP 1986-212065		19860908		
OS	CASREACT 109:237024; MARPAT 109:237024				

L51 ANSWER 103 OF 113 CA COPYRIGHT 2003 ACS on STN  
AN 107:98683 CA  
TI Disinfecting wash solution for skin and hands  
IN Jentsch, Guenther  
PA Fresenius A.-G., Fed. Rep. Ger.  
SO Ger. Offen., 11 pp.  
CODEN: GWXXBX  
DT Patent  
LA German  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3543918	A1	19870619	DE 1985-3543918	19851212
PRAI	DE 1985-3543918		19851212		

L51 ANSWER 104 OF 113 CA COPYRIGHT 2003 ACS on STN  
AN 105:49055 CA  
TI Topical pharmaceutical bases containing polar compounds and sesquiterpene alcohols  
IN Ito, Yoshiaki; Sato, Susumu; Abe, Yoko  
PA Nitto Electric Industrial Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 7 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 61033129	A2	19860217	JP 1984-154292	19840725
JP 05070609	B4	19931005		
PRAI JP 1984-154292		19840725		

L51 ANSWER 105 OF 113 CA COPYRIGHT 2003 ACS on STN  
 AN 103:92860 CA

TI Topical pharmaceutical bases  
 PA NEC Corp., Japan  
 SO Jpn. Kokai Tokkyo Koho, 5 pp.  
 CODEN: JKXXAF

DT Patent  
 LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 60069015	A2	19850419	JP 1983-179794	19830927
JP 03065323	B4	19911011		
PRAI JP 1983-179794		19830927		

L51 ANSWER 106 OF 113 CA COPYRIGHT 2003 ACS on STN  
 AN 103:68479 CA

TI Chemical studies of British Columbia nudibranchs  
 AU Gustafson, Kirk; Andersen, Raymond J.  
 CS Dep. Chem., Univ. British Columbia, Vancouver, BC, V6T 1W5, Can.  
 SO Tetrahedron (1985), 41(6), 1101-8  
 CODEN: TETRAB; ISSN: 0040-4020

DT Journal  
 LA English

L51 ANSWER 107 OF 113 CA COPYRIGHT 2003 ACS on STN  
 AN 102:209127 CA

TI Use of natural and natural-identical products in cosmetics  
 AU Spirik, Gerhard  
 CS Dragoco Gerberding und Co. G.m.b.H., Holzminden, D-3450, Fed. Rep. Ger.  
 SO Seifen, Oele, Fette, Wachse (1985), 111(1), 3-7  
 CODEN: SOFWAF; ISSN: 0037-0983

DT Journal  
 LA German

L51 ANSWER 108 OF 113 CA COPYRIGHT 2003 ACS on STN  
 AN 101:216216 CA

TI The deodorizing activity of some fragrance oils  
 AU Morganti, P.; Introini, C.; Randazzo, S. D.  
 CS Cent. Biol. Tossicolog. Cosmetol., Univ. Milano, Milan, 20129, Italy  
 SO Journal of Applied Cosmetology (1984), 2(2), 18-27  
 CODEN: JACOEL; ISSN: 0392-8543

DT Journal  
 LA English/Italian

L51 ANSWER 109 OF 113 CA COPYRIGHT 2003 ACS on STN  
 AN 99:181468 CA

TI Sebo-suppressive cosmetic products containing long-chain alkanols and  
 antioxidants.  
 IN Moeller, Hinrich; Wallat, Siegfried; Hoeffkes, Horst; Giede, Karl  
 PA Henkel K.-G.a.A., Fed. Rep. Ger.  
 SO PCT Int. Appl., 16 pp.  
 CODEN: PIXXD2

DT Patent  
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8302390	A1	19830721	WO 1983-EP5	19830112
	W: JP				
	RW: AT, BE, CH, DE, FR, GB, LU, NL, SE				
	DE 3201511	A1	19830728	DE 1982-3201511	19820120
	US 4496536	A	19850129	US 1982-372474	19820428
	EP 98843	A1	19840125	EP 1983-900273	19830112
	EP 98843	B1	19860723		
	R: AT, BE, CH, DE, FR, GB, LI, LU, NL, SE				
	JP 59500129	T2	19840126	JP 1983-500346	19830112
	AT 20822	E	19860815	AT 1983-900273	19830112
PRAI	DE 1982-3201511		19820120		
	EP 1983-900273		19830112		
	WO 1983-EP5		19830112		

L51 ANSWER 110 OF 113 CA COPYRIGHT 2003 ACS on STN  
 AN 97:107541 CA  
 TI Characterization of chemical stimuli for the penetration of Schistosoma mansoni cercariae. I. Effective substances, host specificity  
 AU Haas, Wilfried; Schmitt, Renate  
 CS Zool. Inst., Univ. Frankfurt, Frankfurt/Main, D-6000, Fed. Rep. Ger.  
 SO Zeitschrift fuer Parasitenkunde (1982), 66(3), 293-307  
 CODEN: ZEPAA6; ISSN: 0044-3255  
 DT Journal  
 LA English

L51 ANSWER 111 OF 113 CA COPYRIGHT 2003 ACS on STN  
 AN 96:187298 CA  
 TI Penetrating topical pharmaceutical compositions  
 IN Wickett, Richard Randall; Cooper, Eugene Rex; Loomans, Maurice Edward  
 PA Procter and Gamble Co., USA  
 SO Eur. Pat. Appl., 39 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 43738	A2	19820113	EP 1981-303128	19810709
	EP 43738	A3	19820922		
	EP 43738	B1	19851002		
	R: BE, CH, DE, FR, GB, IT, LU, NL, SE				
	CA 1165240	A1	19840410	CA 1981-381263	19810707
	AU 8172720	A1	19820114	AU 1981-72720	19810709
	AU 544969	B2	19850627		
	JP 57081408	A2	19820521	JP 1981-107574	19810709
	JP 04020886	B4	19920407		
	ZA 8104650	A	19820728	ZA 1981-4650	19810709
	US 4954487	A	19900904	US 1989-312354	19890215
PRAI	US 1980-167167		19800709		
	US 1979-1974		19790108		
	US 1980-149104		19800512		
	US 1981-296706		19810827		
	US 1983-516005		19830720		
	US 1987-56344		19870527		

L51 ANSWER 112 OF 113 CA COPYRIGHT 2003 ACS on STN  
 AN 92:185726 CA  
 TI Cosmetic composition  
 IN Tur, Vladimir  
 PA Uni-Chemie A.-G., Switz.

SO Ger. Offen., 15 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2926267	A1	19800117	DE 1979-2926267	19790629
	DE 2926267	C2	19870409		
	CH 642256	A	19840413	CH 1978-7374	19780706
	AT 7904350	A	19820415	AT 1979-4350	19790620
	AT 368878	B	19821125		
	FR 2430226	A1	19800201	FR 1979-17452	19790705
	FR 2430226	B1	19830930		
	AU 7948678	A1	19800207	AU 1979-48678	19790705
	AU 527575	B2	19830310		
	US 4331655	A	19820525	US 1979-71796	19790904
PRAI	CH 1978-7374		19780706		

L51 ANSWER 113 OF 113 CA COPYRIGHT 2003 ACS on STN

AN 75:46728 CA

TI Cocarcinogenesis studies on mouse **skin** and inhibition of tumor induction

AU Van Duuren, B. L.; Blazej, T.; Goldschmidt, B. M.; Katz, C.; Melchionne, S.; Sivak, A.

CS Med. Cent., New York Univ., New York, NY, USA

SO Journal of the National Cancer Institute (1940-1978) (1971), 46(5), 1039-44

CODEN: JNCIAM; ISSN: 0027-8874

DT Journal

LA English

=> s 136 and 127

L52 127 L36 AND L27

=> d 152 80-127

L52 ANSWER 80 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 133:94311 CA

TI Cosmetic or dermatological composition containing an active principle stimulating HSP 32 protein synthesis in the **skin**

IN Nizard, Carine; Moreau, Marielle; Bonte, Frederic

PA Parfums Christian Dior, Fr.

SO PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000040215	A1	20000713	WO 1999-FR3310	19991229
	W: JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	FR 2787996	A1	20000707	FR 1998-16641	19981230
	FR 2787996	B1	20020510		
	EP 1140000	A1	20011010	EP 1999-964734	19991229
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI	FR 1998-16641	A	19981230		
	WO 1999-FR3310	W	19991229		

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 81 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 133:85129 CA  
TI Method for improving transduction efficiency of adeno-associated virus 2 (AAV) by using human fibroblast growth factor receptor 1(FGFR1) as a co-receptor  
IN Srivastava, Arun; Qing, Keyun; Mah, Cathryn; Hansen, Jonathan; Zhou, Shangzhen; Dwarki, Varavani  
PA Advanced Research and Technology Institute, USA  
SO PCT Int. Appl., 94 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000039311	A1	20000706	WO 1999-US31220	19991229
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ		RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
	CA 2358094	AA	20000706	CA 1999-2358094	19991229
	EP 1141339	A1	20011010	EP 1999-968572	19991229
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI		JP 2002533128	T2 20021008
PRAI	US 1998-114596P	P	19981231	JP 2000-591202	19991229
	WO 1999-US31220	W	19991229		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 82 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 133:79345 CA

TI A method for the prophylactic treatment of cataracts

IN De Juan, Eugen, Jr.

PA Johns Hopkins University School of Medicine, USA

SO PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000037066	A2	20000629	WO 1999-US30634	19991222
	WO 2000037066	A3	20010920		
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
	US 6399655	B1	20020604	US 1998-218956	19981222
PRAI	US 1998-218956	A	19981222		

OS MÄRPAT 133:79345

L52 ANSWER 83 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 132:260299 CA  
TI The Flavonoid Apigenin Suppresses Vitamin D Receptor Expression and  
Vitamin D Responsiveness in Normal Human Keratinocytes  
AU Seggaert, Siegfried; Courtois, Stephane; Garmyn, Marjan; Degreef, Hugo;  
Bouillon, Roger  
CS Laboratory for Experimental Medicine and Endocrinology, Katholieke  
Universiteit Leuven, Campus Gasthuisberg, Louvain, B-3000, Belg.  
SO Biochemical and Biophysical Research Communications (2000), 268(1),  
237-241  
CODEN: BBRCA9; ISSN: 0006-291X  
PB Academic Press  
DT Journal  
LA English  
RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 84 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 132:227475 CA  
TI Treatment of oncologic tumors with an injectable formulation of a Golgi  
apparatus disturbing agent  
IN Singh, Saira Sayed  
PA Oncopharmaceutical, Inc., USA  
SO PCT Int. Appl., 32 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1  

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000015766	A1	20000323	WO 1999-US21312	19990915
W: AU, CA, JP, KR				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2344316	AA	20000323	CA 1999-2344316	19990915
AU 9959253	A1	20000403	AU 1999-59253	19990915
EP 1114144	A1	20010711	EP 1999-946955	19990915
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
US 6287602	B1	20010911	US 1999-397390	19990915
JP 2002525268	T2	20020813	JP 2000-570293	19990915
US 2002012703	A1	20020131	US 2001-912115	20010723
US 6497904	B2	20021224		
PRAI US 1998-100479P	P	19980916		
US 1999-397390	A1	19990915		
WO 1999-US21312	W	19990915		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 85 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 132:227170 CA  
TI Method and compositions for reducing dermatological aging and for reducing  
bruising  
IN Duraiswami, Chaya; Simpson, Susan E.; Garrison, Mark S.; Martin, Dennis  
M.; Bloom, Roberta C.  
PA Avon Products, Inc., USA  
SO PCT Int. Appl., 28 pp.  
CODEN: PIXXD2  
DT Patent  
LA English

## FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000013661	A1	20000316	WO 1999-US20854	19990910
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	CA 2309179	AA	20000316	CA 1999-2309179	19990910
	AU 9960345	A1	20000327	AU 1999-60345	19990910
	BR 9906998	A	20000926	BR 1999-6998	19990910
	EP 1041964	A1	20001011	EP 1999-968624	19990910
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	MX 200004471	A	20001110	MX 2000-4471	20000509
PRAI	US 1998-99698P	P	19980910		
	WO 1999-US20854	W	19990910		

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 86 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 132:83678 CA  
 TI Compositions for rapid and non-irritating transdermal delivery of pharmaceutically active agents and methods for formulating such compositions and delivery thereof  
 IN Kirby, Kenneth B.; Pettersson, Berno  
 PA Transdermal Technologies, Inc., USA  
 SO PCT Int. Appl., 92 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English

## FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000001351	A1	20000113	WO 1999-US15297	19990707
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	CA 2336682	AA	20000113	CA 1999-2336682	19990707
	AU 9949725	A1	20000124	AU 1999-49725	19990707
	EP 1094781	A1	20010502	EP 1999-933731	19990707
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	JP 2002519366	T2	20020702	JP 2000-557798	19990707
	US 2003104040	A1	20030605	US 2002-74497	20020211
PRAI	US 1998-91910P	P	19980707		
	WO 1999-US15297	W	19990707		
	US 2000-381095	A3	20000511		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 87 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 132:18780 CA  
 TI Compositions comprising antimicrotubule agents for treating or preventing inflammatory diseases  
 IN Hunter, William L.  
 PA Angiotech Pharmaceuticals, Inc., Can.  
 SO PCT Int. Appl., 340 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9962510	A2	19991209	WO 1999-CA464	19990601
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
	US 6495579	B1	20021217	US 1998-88546	19980601
PRAI	US 1998-88546	A	19980601		
	US 1996-32215P	P	19961202		
	US 1997-63087P	P	19971024		
	US 1997-980549	A2	19971201		

L52 ANSWER 88 OF 127 CA COPYRIGHT 2003 ACS on STN  
 AN 131:281600 CA  
 TI Methods and compositions for reducing UV-induced inhibition of collagen synthesis in human skin  
 IN Fisher, Gary J.; Voorhees, John J.  
 PA The Regents of the University of Michigan, USA  
 SO PCT Int. Appl., 52 pp.  
 CODEN: PIXXD2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9951220	A1	19991014	WO 1999-US7267	19990402
	W:	AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
	CA 2326507	AA	19991014	CA 1999-2326507	19990402
	AU 9936374	A1	19991025	AU 1999-36374	19990402
	AU 740569	B2	20011108		
	BR 9909899	A	20001226	BR 1999-9899	19990402
	EP 1067920	A1	20010117	EP 1999-918456	19990402
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
	JP 2002510621	T2	20020409	JP 2000-541991	19990402
PRAI	US 1998-80437P	P	19980402		
	WO 1999-US7267	W	19990402		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 89 OF 127 CA COPYRIGHT 2003 ACS on STN  
 AN 131:120612 CA  
 TI Compositions and method for protecting skin from UV-induced immunosuppression and skin damage  
 IN Kelly, Graham Edmund; Husband, Alan James  
 PA Novogen Research Pty. Ltd., Australia  
 SO PCT Int. Appl., 34 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9936050	A1	19990722	WO 1998-AU1054	19981221
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2316349	AA	19990722	CA 1998-2316349	19981221
	AU 9916518	A1	19990802	AU 1999-16518	19981221
	AU 750031	B2	20020711		
	EP 1049451	A1	20001108	EP 1998-960911	19981221
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	NZ 505377	A	20030530	NZ 1998-505377	19981221
	SE 2000002286	A	20000821	SE 2000-2286	20000619
	NO 2000003201	A	20000822	NO 2000-3201	20000620
	US 6455032	B1	20020924	US 2000-582317	20000623
	US 2003059384	A1	20030327	US 2002-212847	20020805
PRAI	AU 1997-1124	A	19971224		
	WO 1998-AU1054	W	19981221		
	US 2000-582317	A1	20000623		
OS	MARPAT 131:120612				
RE.CNT 1	THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L52 ANSWER 90 OF 127 CA COPYRIGHT 2003 ACS on STN  
 AN 130:347380 CA  
 TI Procyanidin oligomers selectively and intensively promote proliferation of mouse hair epithelial cells in vitro and activate hair follicle growth in vivo  
 AU Takahashi, Tomoya; Kamiya, Toshikazu; Hasegawa, Atsuhiro; Yokoo, Yoshiharu  
 CS Tsukuba Research Laboratories, Tsukuba, 0841, Japan  
 SO Journal of Investigative Dermatology (1999), 112(3), 310-316  
 CODEN: JIDEAE; ISSN: 0022-202X  
 PB Blackwell Science, Inc.  
 DT Journal  
 LA English  
 RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 91 OF 127 CA COPYRIGHT 2003 ACS on STN  
 AN 130:332910 CA  
 TI Methods and compositions for regulation of 5-alpha reductase activity  
 IN Liao, Shutsung; Hiipakka, Richard A.  
 PA Arch Development Corporation, USA  
 SO PCT Int. Appl., 48 pp.

CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9922728	A1	19990514	WO 1998-US23041	19981030
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU	9912898	A1	19990524	AU 1999-12898	19981030
EP	1027045	A1	20000816	EP 1998-956358	19981030
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, SE, PT, IE				
US	6576660	B1	20030610	US 2000-530443	20000428
US	2003105030	A1	20030605	US 2002-132050	20020424
US	2003144346	A1	20030731	US 2002-294331	20021114
PRAI	US 1997-63770P	P	19971031		
	WO 1998-US23041	W	19981030		
	US 2000-530443	A2	20000428		
OS	MARPAT	130:332910			

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 92 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 130:295991 CA  
TI Antioxidant property of dietary phenolic agents in a human LDL-oxidation  
ex vivo model: interaction of protein binding activity  
AU Wang, Weiqun; Goodman, Marc T.  
CS Cancer Research Center, University of Hawaii, Honolulu, HI, 96813, USA  
SO Nutrition Research (New York) (1999), 19(2), 191-202  
CODEN: NTRSDC; ISSN: 0271-5317  
PB Elsevier Science Inc.  
DT Journal  
LA English

RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 93 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 130:287063 CA  
TI Method of preparing and using phytochemicals  
IN Empie, Mark; Gugger, Eric  
PA Archer Daniels Midland Company, USA  
SO Eur. Pat. Appl., 12 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 906761	A2	19990407	EP 1998-308060	19981002
	EP 906761	A3	19990519		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	US 6261565	B1	20010717	US 1998-162038	19980928
	ZA 9808962	A	19990913	ZA 1998-8962	19981001
PRAI	US 1997-60549P	P	19971002		
	US 1998-162038	P	19980928		

US 1996-614545 A3 19960313  
US 1997-868629 A2 19970604  
US 1998-35588 A2 19980305

L52 ANSWER 94 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 130:57023 CA  
TI Isoflavonoids for treatment and prevention of aging skin and wrinkles  
IN Gorbach, Sherwood L.  
PA USA  
SO PCT Int. Appl., 10 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9856373	A1	19981217	WO 1998-US10605	19980526
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 6060070	A	20000509	US 1997-873314	19970611
	AU 9876942	A1	19981230	AU 1998-76942	19980526
	EP 998262	A1	20000510	EP 1998-924873	19980526
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI JP 2002511860	T2	20020416	JP 1999-502523	19980526
PRAI	US 1997-873314	A	19970611		
	WO 1998-US10605	W	19980526		
RE.CNT 4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L52 ANSWER 95 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 129:298009 CA  
TI Genistein in the control of breast cancer cell growth: insights into the mechanism of action in vitro  
AU Fioravanti, Laura; Cappelletti, Vera; Miodini, Patrizia; Ronchi, Enrico;  
Brivio, Moreno; Di Fronzo, Giovanni  
CS Istituto Nazionale per lo Studio e la Cura dei Tumori, Milan, Italy  
SO Cancer Letters (Shannon, Ireland) (1998), 130(1,2), 143-152  
CODEN: CALEDQ; ISSN: 0304-3835  
PB Elsevier Science Ireland Ltd.  
DT Journal  
LA English  
RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 96 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 129:270185 CA  
TI Isoflavone genistein inhibits the initiation and promotion of two-stage skin carcinogenesis in mice  
AU Wei, Huachen; Bowen, Ronald; Zhang, Xueshu; Lebwohl, Mark  
CS Department of Dermatology, Mount Sinai School of Medicine, New York, NY,  
10029, USA  
SO Carcinogenesis (1998), 19(8), 1509-1514  
CODEN: CRNGDP; ISSN: 0143-3334  
PB Oxford University Press

DT Journal  
LA English  
RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 97 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 129:180177 CA  
TI Drugs and cosmetics containing genistein for treatment of proliferative skin disease  
IN Kataoka, Shigehiro; Manaka, Tatsuo; Sometani, Takao; Ohata, Akio  
PA Kikkoman Corp., Japan  
SO Jpn. Kokai Tokkyo Koho, 4 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1  

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 10226642	A2	19980825	JP 1997-48552	19970218
PRAI JP 1997-48552		19970218		

L52 ANSWER 98 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 129:140679 CA  
TI Oral compositions containing body fluid function ameliorators for therapeutic use  
IN Kosuga, Masaki; Kosuga, Takao; Fukushima, Makoto; Inaoka, Yasunori; Okuda, Takehiro  
PA Doctor's Cosmetics Y. K., Japan; Pola Chemical Industries, Inc.  
SO Jpn. Kokai Tokkyo Koho, 11 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1  

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 10175860	A2	19980630	JP 1997-260525	19970925
PRAI JP 1996-272722		19961015		
OS MARPAT 129:140679				

L52 ANSWER 99 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 129:140678 CA  
TI Topical compositions containing body fluid function ameliorators or promoters for therapeutic use  
IN Kosuga, Masaki; Kosuga, Takao; Ando, Nobuhiro; Muramatsu, Nobue; Kawai, Michio  
PA Doctors Cosmetics Y. K., Japan; Pola Chemical Industries, Inc.  
SO Jpn. Kokai Tokkyo Koho, 12 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1  

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 10175859	A2	19980630	JP 1997-260526	19970925
PRAI JP 1996-276654		19961018		
OS MARPAT 129:140678				

L52 ANSWER 100 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 129:49314 CA  
TI Inhibition of ultraviolet B (UVB)-induced c-fos and c-jun expression in vivo by a tyrosine kinase inhibitor genistein  
AU Wang, Yan; E, Yaping; Zhang, Xueshu; Lebwohl, Mark; Deleo, Vincent; Wei,

Huachen  
CS Department of Dermatology, Mount Sinai School of Medicine, New York, NY,  
10029, USA  
SO Carcinogenesis (1998), 19(4), 649-654  
CODEN: CRNGDP; ISSN: 0143-3334  
PB Oxford University Press  
DT Journal  
LA English

RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 101 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 128:280806 CA  
TI Phenolic fatty-acid esters from the peel of 'Gala' apples and their  
possible role in resistance to superficial scald  
AU Whitaker, Bruce D.  
CS Agricultural Research Service, U.S. Department of Agriculture, Beltsville  
Agricultural Research Center, 10300 Baltimore Avenue, Beltsville, MD,  
20705-2350, USA  
SO Postharvest Biology and Technology (1998), 13(1), 1-10  
CODEN: PBTEED; ISSN: 0925-5214  
PB Elsevier Science Ireland Ltd.  
DT Journal  
LA English

RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 102 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 128:280308 CA  
TI Differential regulation of the AP-1 family members by UV irradiation in  
vitro and in vivo  
AU Isoherranen, Kirsi; Westermark, Jukka; Kahari, Veli-Matti; Jansen,  
Christer; Punnonen, Kari  
CS Department of Clinical Chemistry, University of Turku, Kuopio, Finland  
SO Cellular Signalling (1998), 10(3), 191-195  
CODEN: CESIEY; ISSN: 0898-6568  
PB Elsevier Science Inc.  
DT Journal  
LA English

RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 103 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 128:149576 CA  
TI Methods and compositions for modulation of growth response  
IN Kufe, Donald W.; Yuan, Zhi-min; Weichselbaum, Ralph R.  
PA Arch Development Corp., USA; Dana-Farber Cancer Institute; Kufe, Donald  
W.; Yuan, Zhi-Min; Weichselbaum, Ralph R.  
SO PCT Int. Appl., 94 pp.  
CODEN: PIXXD2  
DT Patent  
LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9803195	A1	19980129	WO 1997-US12498	19970718
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,			

GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,  
GN, ML, MR, NE, SN, TD, TG  
AU 9737313 A1 19980210 AU 1997-37313 19970718  
PRAI US 1996-22124P P 19960718  
WO 1997-US12498 W 19970718  
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L52 ANSWER 104 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 128:70767 CA  
TI Genistein as a preventive against ultraviolet induced skin  
photodamage and cancer  
IN Wei, Huachen  
PA Mt. Sinai School of Medicine of the City of New York, USA  
SO PCT Int. Appl., 16 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9746208	A2	19971211	WO 1997-US11963	19970609
WO 9746208	A3	19980219		
W: AU, CA, GB, IL, JP				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
US 5824702	A	19981020	US 1996-657915	19960607
AU 9737225	A1	19980105	AU 1997-37225	19970609
AU 716131	B2	20000217		
EP 918504	A2	19990602	EP 1997-934083	19970609
EP 918504	B1	20030319		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
IE, FI				
JP 2000511907	T2	20000912	JP 1998-500949	19970609
AT 234599	E	20030415	AT 1997-934083	19970609
PRAI US 1996-657915	A	19960607		
WO 1997-US11963	W	19970609		

L52 ANSWER 105 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 128:43546 CA  
TI Genistein suppresses growth stimulatory effect of growth factors in HCE  
16/3 cells  
AU Zheng, Jie  
CS Cancer Hosp., Peking Union Medical College, Beijing, 100021, Peop. Rep.  
China  
SO Zhonghua Zhongliu Zazhi (1997), 19(2), 118-122  
CODEN: CCLCDY; ISSN: 0253-3766  
PB Zhongguo Yixue Kexueyuan Zhongliu Yanjiuso  
DT Journal  
LA Chinese

L52 ANSWER 106 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 127:272356 CA  
TI Antitumor promoting activities of isoflavonoids from Wistaria brachybotrys  
AU Konoshima, Takao; Takasaki, Midori; Kozuka, Mutsuo; Tokuda, Harukuni;  
Nishino, Hoyoku; Matsuda, Eriko; Nagai, Masahiro  
CS Kyoto Pharmaceutical University, Misasagi, 607, Japan  
SO Biological & Pharmaceutical Bulletin (1997), 20(8), 865-868  
CODEN: BPBLEO; ISSN: 0918-6158  
PB Pharmaceutical Society of Japan  
DT Journal  
LA English

L52 ANSWER 107 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 127:85843 CA  
TI Bath preparations containing isoflavones  
IN Matsuura, Masaru; Obata, Akio; Tobe, Koichiro  
PA Kikkoman Corp., Japan  
SO Jpn. Kokai Tokkyo Koho, 4 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09157156	A2	19970617	JP 1995-335662	19951201
PRAI	JP 1995-335662		19951201		

L52 ANSWER 108 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 126:282781 CA  
TI Epidermal cell growth promoters and topical preparations  
IN Matsura, Masaru; Saito, Minoru; Obata, Akio; Yamatsugu, Nobuyuki; Tobe, Koichiro  
PA Kikkoman Corp, Japan; Noda Sangyo Kagaku Kenkyusho  
SO Jpn. Kokai Tokkyo Koho, 6 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09059166	A2	19970304	JP 1995-230682	19950817
	JP 3302535	B2	20020715		
PRAI	JP 1995-230682		19950817		

L52 ANSWER 109 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 126:69827 CA  
TI Effects of genistein on **skin** tumor development in mice  
AU Dwivedi, Chandradhar; Zhang, Yan; Jensen, Heather J.; Singh, Kamal K.  
CS College Pharmacy, South Dakota State University, Brookings, SD, 57007-0099, USA  
SO Biochemical Archives (1996), 12(4), 273-276  
CODEN: BIAREM; ISSN: 0749-5331  
PB MBR Press, Inc.  
DT Journal  
LA English

L52 ANSWER 110 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 125:272546 CA  
TI Regulation of epidermal expression of keratin K17 in inflammatory **skin** diseases  
AU Komine, Mayumi; Freedberg, Irwin M.; Blumberg, Miroslav  
CS Kaplan Comprehensive Cancer Center, New York University, New York, NY, 10016, USA  
SO Journal of Investigative Dermatology (1996), 107(4), 569-575  
CODEN: JIDAE; ISSN: 0022-202X  
PB Blackwell  
DT Journal  
LA English

L52 ANSWER 111 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 125:266006 CA  
TI Use of protein kinase inhibitors in preventing multidrug resistance in cancer cells  
IN Chaudhary, Preet; Shtil, Alexander A.; Roninson, Igor B.

PA Board of Trustees of the University of Illinois, USA  
SO PCT Int. Appl., 75 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9625949	A1	19960829	WO 1996-US422	19960111
	W: CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5972598	A	19991026	US 1995-370724	19950110
	EP 804240	A1	19971105	EP 1996-903458	19960111
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE				
	JP 10512277	T2	19981124	JP 1996-522483	19960111
	US 6171786	B1	20010109	US 1996-659877	19960607
PRAI	US 1995-370724	A	19950110		
	US 1992-947659	B2	19920918		
	WO 1996-US422	W	19960111		

L52 ANSWER 112 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 124:241803 CA

TI Skin-conditioning compositions containing isoflavone

IN Brunke, Reinhold A.

PA New Standard GmbH, Germany

SO Ger. Offen., 4 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4432947	A1	19960321	DE 1994-4432947	19940916
	DE 4432947	C2	19980409		
PRAI	DE 1994-4432947		19940916		

L52 ANSWER 113 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 124:174519 CA

TI Effect of dietary genistein on antioxidant enzyme activities in SENCAR mice

AU Cai, Qiuyin; Wei, Huachen

CS Dep. Pharmacology Toxicology, Univ. Alabama, Birmingham, Birmingham, AL, 35294-0008, USA

SO Nutrition and Cancer (1996), 25(1), 1-7

CODEN: NUCADQ; ISSN: 0163-5581

PB Lawrence Erlbaum Associates, Inc.

DT Journal

LA English

L52 ANSWER 114 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 124:135017 CA

TI Inhibitory effect of genistein on a tumor promoter-induced c-fos and c-jun expression in mouse skin

AU Wei, Huachen; Barnes, Stephen; Wang, Yan

CS Dep. Dermatology, Mount Sianai Sch. Medicine, New York, NY, 10029, USA

SO Oncology Reports (1996), 3(1), 125-8

CODEN: OCRPEW; ISSN: 1021-335X

PB National Hellenic Research Foundation

DT Journal

LA English

L52 ANSWER 115 OF 127 CA COPYRIGHT 2003 ACS on STN

AN 124:7638 CA  
TI Plant Flavonoids, Especially Tea Flavonols, Are Powerful Antioxidants Using an in Vitro Oxidation Model for Heart Disease  
AU Vinson, Joe A.; Dabbagh, Yousef A.; Serry, Mamdouh M.; Jang, Jinhee  
CS Department of Chemistry, University of Scranton, Scranton, DE, 18510, USA  
SO Journal of Agricultural and Food Chemistry (1995), 43(11), 2800-2  
CODEN: JAFCAU; ISSN: 0021-8561  
PB American Chemical Society  
DT Journal  
LA English

L52 ANSWER 116 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 123:306842 CA  
TI Inhibition of 5.alpha.-reductase in genital skin fibroblasts and prostate tissue by dietary lignans and isoflavonoids  
AU Evans, B. A. J.; Griffiths, K.; Morton, M. S.  
CS Dep. Child Health, Univ. Wales College Medicine, Cardiff, CF4 4XN, UK  
SO Journal of Endocrinology (1995), 147(2), 295-302  
CODEN: JOENAK; ISSN: 0022-0795  
PB Journal of Endocrinology  
DT Journal  
LA English

L52 ANSWER 117 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 122:281655 CA  
TI Preclinical efficacy evaluation of potential chemopreventive agents in animal carcinogenesis models: methods and results from the NCI Chemoprevention Drug Development Program  
AU Steele, Vernon E.; Moon, Richard C.; Lubet, Ronald A.; Grubbs, Clinton J.; Reddy, Bandaru S.; Wargovich, Michael; McCormick, David L.; Pereira, Michael A.; Crowell, James A.; et al.  
CS DCPC, National Institutes of Health, Bethesda, MD, 20892, USA  
SO Journal of Cellular Biochemistry (1994), (Suppl. 20), 32-54  
CODEN: JCEBD5; ISSN: 0730-2312  
PB Wiley-Liss  
DT Journal  
LA English

L52 ANSWER 118 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 122:186292 CA  
TI Effect of genistein on in vitro and in vivo models of cancer  
AU Barnes, Stephen  
CS Dep. Pharm. Biochem., Univ. Alabama Birmingham, Birmingham, AL, 35294, USA  
SO Journal of Nutrition (1995), 125(3S), 777S-83S  
CODEN: JONUAI; ISSN: 0022-3166  
PB American Institute of Nutrition  
DT Journal  
LA English

L52 ANSWER 119 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 122:96450 CA  
TI Antioxidant and antipromotional effects of the soybean isoflavone genistein  
AU Wei, Huachen; Bowen, Ronald; Cai, Qiuyin; Barnes, Stephen; Wang, Yan  
CS Dep. Environmental Health Sciences, Univ. Alabama, Birmingham, AL, 35294, USA  
SO Proceedings of the Society for Experimental Biology and Medicine (1995), 208(1), 124-30  
CODEN: PSEBAA; ISSN: 0037-9727  
PB Blackwell  
DT Journal  
LA English

L52 ANSWER 120 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 120:307102 CA  
TI Stable skin-lightening and inflammation-inhibiting cosmetics containing flavanones, flavanonols, isoflavones, or pterocarpans  
IN Oka, Munekyo; Kawaguchi, Shigetaka; Monobe, Akio; Fukunaga, Iwao  
PA Nonogawa Shoji Yk, Japan  
SO Jpn. Kokai Tokkyo Koho, 12 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 06016531	A2	19940125	JP 1992-200354	19920702
	JP 3241440	B2	20011225		
PRAI	JP 1992-200354		19920702		
OS	MARPAT	120:307102			

L52 ANSWER 121 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 120:156074 CA  
TI Genistein inhibits calcium release by platelet-derived growth factor but not bradykinin or cadmium in human fibroblasts  
AU Lyu, Rong Ming; Smith, Jeffrey Bingham  
CS Sch. Med. Dent., Univ. Alabama, Birmingham, AL, 35294, USA  
SO Cell Biology and Toxicology (1993), 9(2), 141-8  
CODEN: CBTOE2; ISSN: 0742-2091  
DT Journal  
LA English

L52 ANSWER 122 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 119:216833 CA  
TI Inhibition of tumor promoter-induced hydrogen peroxide formation in vitro and in vivo by genistein  
AU Wei, Huachen; Wei, Lihong; Frenkel, Krystyna; Bowen, Ronald; Barnes, Stephen  
CS Dep. Environ. Health Sci., Univ. Alabama, Birmingham, AL, 35294, USA  
SO Nutrition and Cancer (1993), 20(1), 1-12  
CODEN: NUCADQ; ISSN: 0163-5581  
DT Journal  
LA English

L52 ANSWER 123 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 111:224819 CA  
TI Studies on inhibitors of skin tumor promotion (V). Inhibitory effects of flavonoids of Epstein-Barr virus activation. II  
AU Konoshima, Takao; Takasaki, Midori; Kozuka, Mutsuo; Inada, Akira; Nakanishi, Tsutomu; Tokuda, Harukuni; Matsumoto, Takeshi  
CS Kyoto Pharm. Univ., Kyoto, 607, Japan  
SO Shoyakugaku Zasshi (1989), 43(2), 135-41  
CODEN: SHZAAZ; ISSN: 0037-4377  
DT Journal  
LA English

L52 ANSWER 124 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 108:143461 CA  
TI Antibacterial flavone compounds and their activities against Staphylococcus  
IN Nishino, Chikao; Kobayashi, Koji  
PA Mitsubishi Chemical Industries Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 2 pp.  
CODEN: JKXXAF

DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 62145016	A2	19870629	JP 1985-284584	19851218
PRAI	JP 1985-284584		19851218		

L52 ANSWER 125 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 107:19887 CA  
TI Genistein, a specific inhibitor of tyrosine-specific protein kinases  
AU Akiyama, Tetsu; Ishida, Junko; Nakagawa, Suguru; Ogawara, Hiroshi;  
Watanabe, Shunichi; Itoh, Noriki; Shibuya, Masabumi; Fukami, Yasuo  
CS Dep. Biochem., Meiji Coll. Pharm., Tokyo, 154, Japan  
SO Journal of Biological Chemistry (1987), 262(12), 5592-5  
CODEN: JBCHA3; ISSN: 0021-9258  
DT Journal  
LA English

L52 ANSWER 126 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 103:128809 CA

TI Cosmetics containing 5-hydroxyisoflavones  
PA Sansei Pharmaceutical Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 3 pp.  
CODEN: JKXXAF

DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60061513	A2	19850409	JP 1983-170192	19830914
PRAI	JP 1983-170192		19830914		

L52 ANSWER 127 OF 127 CA COPYRIGHT 2003 ACS on STN  
AN 62:46475 CA  
OREF 62:8273g-h,8274a  
TI Effect on capillary permeability of various types of flavonoids  
AU Paris, R.; Moury, J.  
CS Fac. Pharm., Paris  
SO Ann. Pharm. Franc. (1964), 22(8-9), 489-93  
DT Journal  
LA French

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1	75 S FARNESOL
L2	1 S HEXANOYL SPHINGOSINE
L3	0 S OLEOYL BETAINE
L4	55 S URSOLIC ACID
L5	165 S IONONE
L6	0 S UTRECT-2
L7	1 S UTRECHT 2
L8	5 S BIFONAZOLE
L9	6 S CLOTTRIMAZOLE
L10	5 S KETOCONAZOLE
L11	15 S MICONAZOLE
L12	0 S DAIZEDEIN
L13	51 S DAIDZEIN

L14           75 S GENISTEIN  
L15           0 S PHYTOESTRAGEN  
              E PHYTOESTROGEN  
L16           3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17           10486 S RETINOL  
L18           0 S GLUTAMASE TRANSAMINASE  
L19           189 S GLUTAMATE TRANSAMINASE  
L20           0 S L19 AND L17  
L21           19649 S TRANSAMINASE  
L22           24 S L21 AND L17  
              E DERMAL  
L23           11755 S E3-E11  
L24           3285 S L1  
              E PHYTOESTROGEN  
L25           1454 S E3-E8  
L26           1 S L25 AND L23  
              E SKIN  
L27           184746 S E3  
L28           22 S L27 AND L25  
L29           0 S RESVESEROL  
L30           1408 S RESVERATROL  
L31           4 S L30 AND L23  
L32           0 S L24 AND L30  
              E FUNGUS  
L33           40001 S E3  
L34           21 S L33 AND L30  
L35           2462 S L13  
L36           3825 S L14  
L37           2384 S L10  
L38           1454 S L9  
L39           2 S L38 AND L35  
L40           47 S L35 AND L33  
L41           11 S L17 AND L33  
L42           28516 S VITAMIN A  
L43           26 S L42 AND L33  
L44           24 S L43 NOT L41  
L45           38 S L24 AND L33  
L46           43 S L38 AND L33  
L47           76 S L37 AND L33  
L48           21 S L47 AND L46  
L49           370 S HYDROXY QUINOLINE  
L50           1 S L49 AND L33  
L51           113 S L24 AND L27  
L52           127 S L36 AND L27

=> s s l35 and l27

MISSING OPERATOR S L35

The search profile that was entered contains terms or  
nested terms that are not separated by a logical operator.

=> s l35 and l27

MISSING OPERATOR L35 AND L27

The search profile that was entered contains terms or  
nested terms that are not separated by a logical operator.

=> s l35 and l27

L53           82 L35 AND L27

=> d 153 60-82

L53 ANSWER 60 OF 82 CA COPYRIGHT 2003 ACS on STN  
AN 133:94311 CA  
TI Cosmetic or dermatological composition containing an active principle stimulating HSP 32 protein synthesis in the skin  
IN Nizard, Carine; Moreau, Marielle; Bonte, Frederic  
PA Parfums Christian Dior, Fr.  
SO PCT Int. Appl., 19 pp.  
CODEN: PIXXD2

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000040215	A1	20000713	WO 1999-FR3310	19991229
	W: JP, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	FR 2787996	A1	20000707	FR 1998-16641	19981230
	FR 2787996	B1	20020510		
	EP 1140000	A1	20011010	EP 1999-964734	19991229
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRAI	FR 1998-16641	A	19981230		
	WO 1999-FR3310	W	19991229		

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 61 OF 82 CA COPYRIGHT 2003 ACS on STN  
AN 132:227170 CA  
TI Method and compositions for reducing dermatological aging and for reducing bruising  
IN Duraiswami, Chaya; Simpson, Susan E.; Garrison, Mark S.; Martin, Dennis M.; Bloom, Roberta C.  
PA Avon Products, Inc., USA  
SO PCT Int. Appl., 28 pp.  
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000013661	A1	20000316	WO 1999-US20854	19990910
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2309179	AA	20000316	CA 1999-2309179	19990910
	AU 9960345	A1	20000327	AU 1999-60345	19990910
	BR 9906998	A	20000926	BR 1999-6998	19990910
	EP 1041964	A1	20001011	EP 1999-968624	19990910
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	MX 200004471	A	20001110	MX 2000-4471	20000509
PRAI	US 1998-99698P	P	19980910		
	WO 1999-US20854	W	19990910		

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 62 OF 82 CA COPYRIGHT 2003 ACS on STN  
 AN 131:120612 CA  
 TI Compositions and method for protecting skin from UV-induced  
     immunosuppression and skin damage  
 IN Kelly, Graham Edmund; Husband, Alan James  
 PA Novogen Research Pty. Ltd., Australia  
 SO PCT Int. Appl., 34 pp.  
     CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9936050	A1	19990722	WO 1998-AU1054	19981221
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2316349	AA	19990722	CA 1998-2316349	19981221
AU 9916518	A1	19990802	AU 1999-16518	19981221
AU 750031	B2	20020711		
EP 1049451	A1	20001108	EP 1998-960911	19981221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
NZ 505377	A	20030530	NZ 1998-505377	19981221
SE 2000002286	A	20000821	SE 2000-2286	20000619
NO 2000003201	A	20000822	NO 2000-3201	20000620
US 6455032	B1	20020924	US 2000-582317	20000623
US 2003059384	A1	20030327	US 2002-212847	20020805
PRAI AU 1997-1124	A	19971224		
WO 1998-AU1054	W	19981221		
US 2000-582317	A1	20000623		
OS MARPAT 131:120612				
RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9936067	A1	19990722	WO 1999-US1093	19990119
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,				

FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,  
 CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 US 5958946 A 19990928 US 1998-9213 19980120  
 CA 2320160 AA 19990722 CA 1999-2320160 19990119  
 AU 9923266 A1 19990802 AU 1999-23266 19990119  
 AU 758588 B2 20030327  
 EP 1047420 A1 20001102 EP 1999-903183 19990119  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI  
 BR 9907090 A 20010904 BR 1999-7090 19990119  
 PRAI US 1998-9213 A 19980120  
 WO 1999-US1093 W 19990119  
 RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 64 OF 82 CA COPYRIGHT 2003 ACS on STN  
 AN 130:332910 CA  
 TI Methods and compositions for regulation of 5-alpha reductase activity  
 IN Liao, Shutsung; Hiipakka, Richard A.  
 PA Arch Development Corporation, USA  
 SO PCT Int. Appl., 48 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9922728	A1	19990514	WO 1998-US23041	19981030
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
AU 9912898	A1	19990524	AU 1999-12898	19981030
EP 1027045	A1	20000816	EP 1998-956358	19981030
R:	AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, SE, PT, IE			
US 6576660	B1	20030610	US 2000-530443	20000428
US 2003105030	A1	20030605	US 2002-132050	20020424
US 2003144346	A1	20030731	US 2002-294331	20021114
PRAI US 1997-63770P	P	19971031		
WO 1998-US23041	W	19981030		
US 2000-530443	A2	20000428		
OS MARPAT 130:332910				

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 65 OF 82 CA COPYRIGHT 2003 ACS on STN  
 AN 130:295991 CA  
 TI Antioxidant property of dietary phenolic agents in a human LDL-oxidation  
 ex vivo model: interaction of protein binding activity  
 AU Wang, Weiqun; Goodman, Marc T.  
 CS Cancer Research Center, University of Hawaii, Honolulu, HI, 96813, USA  
 SO Nutrition Research (New York) (1999), 19(2), 191-202  
 CODEN: NTRSDC; ISSN: 0271-5317  
 PB Elsevier Science Inc.  
 DT Journal  
 LA English  
 RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 66 OF 82 CA COPYRIGHT 2003 ACS on STN  
AN 130:287063 CA  
TI Method of preparing and using phytochemicals  
IN Empie, Mark; Gugger, Eric  
PA Archer Daniels Midland Company, USA  
SO Eur. Pat. Appl., 12 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 906761	A2	19990407	EP 1998-308060	19981002
	EP 906761	A3	19990519		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	US 6261565	B1	20010717	US 1998-162038	19980928
	ZA 9808962	A	19990913	ZA 1998-8962	19981001
PRAI	US 1997-60549P	P	19971002		
	US 1998-162038	P	19980928		
	US 1996-614545	A3	19960313		
	US 1997-868629	A2	19970604		
	US 1998-35588	A2	19980305		

L53 ANSWER 67 OF 82 CA COPYRIGHT 2003 ACS on STN  
AN 130:57023 CA  
TI Isoflavonoids for treatment and prevention of aging skin and wrinkles  
IN Gorbach, Sherwood L.  
PA USA  
SO PCT Int. Appl., 10 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9856373	A1	19981217	WO 1998-US10605	19980526
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 6060070	A	20000509	US 1997-873314	19970611
	AU 9876942	A1	19981230	AU 1998-76942	19980526
	EP 998262	A1	20000510	EP 1998-924873	19980526
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002511860	T2	20020416	JP 1999-502523	19980526
PRAI	US 1997-873314	A	19970611		
	WO 1998-US10605	W	19980526		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 68 OF 82 CA COPYRIGHT 2003 ACS on STN  
AN 129:140679 CA  
TI Oral compositions containing body fluid function ameliorators for therapeutic use  
IN Kosuga, Masaki; Kosuga, Takuo; Fukushima, Makoto; Inaoka, Yasunori; Okuda,

Takehiro

PA Doctor's Cosmetics Y. K., Japan; Pola Chemical Industries, Inc.

SO Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 10175860	A2	19980630	JP 1997-260525	19970925
PRAI	JP 1996-272722		19961015		
OS	MARPAT 129:140679				

L53 ANSWER 69 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 129:140678 CA

TI Topical compositions containing body fluid function ameliorators or promoters for therapeutic use

IN Kosuga, Masaki; Kosuga, Takao; Ando, Nobuhiro; Muramatsu, Nobue; Kawai, Michio

PA Doctors Cosmetics Y. K., Japan; Pola Chemical Industries, Inc.

SO Jpn. Kokai Tokkyo Koho, 12 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 10175859	A2	19980630	JP 1997-260526	19970925
PRAI	JP 1996-276654		19961018		
OS	MARPAT 129:140678				

L53 ANSWER 70 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 128:280806 CA

TI Phenolic fatty-acid esters from the peel of 'Gala' apples and their possible role in resistance to superficial scald

AU Whitaker, Bruce D.

CS Agricultural Research Service, U.S. Department of Agriculture, Beltsville Agricultural Research Center, 10300 Baltimore Avenue, Beltsville, MD, 20705-2350, USA

SO Postharvest Biology and Technology (1998), 13(1), 1-10

CODEN: PBTEED; ISSN: 0925-5214

PB Elsevier Science Ireland Ltd.

DT Journal

LA English

RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 71 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 128:204349 CA

TI Inhibitory effect of soybean hypocotyls on Epstein-Barr virus early antigen induction and skin tumor promotion

AU Zaizen, Yukihiko; Tokuda, Harukuni; Nishino, Hoyoku; Takeshita, Masazumi

CS Department of Biochemistry, Oita Medical University, Oita, 879-55, Japan

SO Daizu Tanpakushitsu Kenkyukai Kaishi (1997), 18, 125-129

CODEN: DTKKEE; ISSN: 0919-9535

PB Daizu Tanpakushitsu Kenkyukai

DT Journal

LA Japanese

L53 ANSWER 72 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 128:84165 CA

TI Inhibitory effect of soybean hypocotyls on Epstein-Barr virus early

AU antigen induction and skin tumor promotion  
AU Zaizen, Yukihiro; Tokuda, Harukuni; Nishino, Hoyoku; Takeshita, Masazumi  
CS Dep. Biochem., Oita Med. Univ., Oita, 879-55, Japan  
SO Cancer Letters (Shannon, Ireland) (1997), 121(1), 53-57  
CODEN: CALEDQ; ISSN: 0304-3835  
PB Elsevier Science Ireland Ltd.  
DT Journal  
LA English

RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L53 ANSWER 73 OF 82 CA COPYRIGHT 2003 ACS on STN  
AN 127:171571 CA  
TI Anti-lipid peroxidation [effect] of a Chinese medicine on human  
keratinocytes and rat liver homogenates  
AU Yang, Ling-Ling; Tsai, Gwo-Chyuan; Lin, Hung-Ya; Yeh, Shauh-Der  
CS Taipei Med. Coll., Dep. Pathol., Taipei Med. Coll., Grad. Inst.  
Pharmacognosy Sci., Taipei, Taiwan  
SO Scientific Conference of the Asian Societies of Cosmetic Scientists, 3rd,  
Taipei, May 23-24, 1997 (1997), 55-59 Publisher: Asian Societies of  
Cosmetic Scientists, Taichung, Taiwan.  
CODEN: 64XSAZ  
DT Conference  
LA English

L53 ANSWER 74 OF 82 CA COPYRIGHT 2003 ACS on STN  
AN 126:207142 CA  
TI In vitro antitumor activity of flavonoids from Sophora flavescens  
AU Ryu, Shi Yong; Choi, Sang Un; Kim, Seong-Kie; No, Zaesung; Lee, Chong Ock;  
Ahn, Jong Woong; Kim, Sung Hoon  
CS Korea Research Institute of Chemical Technology, Taejeon, 305-606, Greece  
SO Phytotherapy Research (1997), 11(1), 51-53  
CODEN: PHYREH; ISSN: 0951-418X  
PB Wiley  
DT Journal  
LA English

L53 ANSWER 75 OF 82 CA COPYRIGHT 2003 ACS on STN  
AN 126:162242 CA  
TI Compositions and method of treating cardio-, cerebro-vascular and  
Alzheimer's diseases and depression  
IN Tashiro, Renki; Pater, Ruth H.  
PA Tashiro, Renki, Japan; Pater, Ruth H.  
SO U.S., 22 pp.  
CODEN: USXXAM  
DT Patent  
LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 5589182	A	19961231	US 1993-161350	19931206
PRAI US 1993-161350		19931206		

L53 ANSWER 76 OF 82 CA COPYRIGHT 2003 ACS on STN  
AN 124:241803 CA  
TI Skin-conditioning compositions containing isoflavone  
IN Brunke, Reinhold A.  
PA New Standard GmbH, Germany  
SO Ger. Offen., 4 pp.  
CODEN: GWXXBX  
DT Patent  
LA German

## FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4432947	A1	19960321	DE 1994-4432947	19940916
	DE 4432947	C2	19980409		
PRAI	DE 1994-4432947		19940916		

L53 ANSWER 77 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 123:306842 CA

TI Inhibition of 5.alpha.-reductase in genital **skin** fibroblasts and prostate tissue by dietary lignans and isoflavonoids

AU Evans, B. A. J.; Griffiths, K.; Morton, M. S.

CS Dep. Child Health, Univ. Wales College Medicine, Cardiff, CF4 4XN, UK

SO Journal of Endocrinology (1995), 147(2), 295-302

CODEN: JOENAK; ISSN: 0022-0795

PB Journal of Endocrinology

DT Journal

LA English

L53 ANSWER 78 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 122:96450 CA

TI Antioxidant and antipromotional effects of the soybean isoflavone genistein

AU Wei, Huachen; Bowen, Ronald; Cai, Qiuyin; Barnes, Stephen; Wang, Yan

CS Dep. Environmental Health Sciences, Univ. Alabama, Birmingham, AL, 35294, USA

SO Proceedings of the Society for Experimental Biology and Medicine (1995), 208(1), 124-30

CODEN: PSEBAA; ISSN: 0037-9727

PB Blackwell

DT Journal

LA English

L53 ANSWER 79 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 111:224819 CA

TI Studies on inhibitors of **skin** tumor promotion (V). Inhibitory effects of flavonoids of Epstein-Barr virus activation. II

AU Konoshima, Takao; Takasaki, Midori; Kozuka, Mutsuo; Inada, Akira; Nakanishi, Tsutomu; Tokuda, Harukuni; Matsumoto, Takeshi

CS Kyoto Pharm. Univ., Kyoto, 607, Japan

SO Shoyakugaku Zasshi (1989), 43(2), 135-41

CODEN: SHZAAZ; ISSN: 0037-4377

DT Journal

LA English

L53 ANSWER 80 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 110:128105 CA

TI Studies on inhibitors of **skin** tumor promotion. III. Inhibitory effects of isoflavonoids from Wisteria brachybotrys on Epstein-Barr virus activation

AU Konoshima, Takao; Okamoto, Emiko; Kozuka, Mutsuo; Nishino, Hoyoku; Tokuda, Harukuni

CS Kyoto Pharm. Univ., Kyoto, 607, Japan

SO Journal of Natural Products (1988), 51(6), 1270-4

CODEN: JNPRDF; ISSN: 0163-3864

DT Journal

LA English

L53 ANSWER 81 OF 82 CA COPYRIGHT 2003 ACS on STN

AN 107:19887 CA

TI Genistein, a specific inhibitor of tyrosine-specific protein kinases

AU Akiyama, Tetsu; Ishida, Junko; Nakagawa, Suguru; Ogawara, Hiroshi;

- CS Watanabe, Shunichi; Itoh, Noriki; Shibuya, Masabumi; Fukami, Yasuo  
SO Dep. Biochem., Meiji Coll. Pharm., Tokyo, 154, Japan  
TI Journal of Biological Chemistry (1987), 262(12), 5592-5  
CODEN: JBCHA3; ISSN: 0021-9258
- DT Journal  
LA English
- L53 ANSWER 82 OF 82 CA COPYRIGHT 2003 ACS on STN  
AN 106:9262 CA  
TI Chemical constituents of Tibetan Quijian Jinjier (Caragana jubata)  
AU Wang, Yulan; Chen, Weiming; Li, Guangyi  
CS Inst. Mater. Med., Chinese Acad. Med. Sci., Beijing, Peop. Rep. China  
SO Zhongcaoyao (1986), 17(8), 344-6  
CODEN: CTYAD8; ISSN: 0253-2670  
DT Journal  
LA Chinese
- => s 138 and 127  
L54 241 L38 AND L27
- => d 154 200-241
- L54 ANSWER 200 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 106:12434 CA  
TI Comparative studies on skin safety evaluation of tinctures of  
oxiconazole nitrate and other imidazole derivatives by patch tests  
AU Ishihara, Masaru  
CS Sch. Med., Toho Univ., Japan  
SO Yakuri to Chiryo (1973-2000) (1985), 13(11), 6677-83  
CODEN: YACHDS; ISSN: 0386-3603  
DT Journal  
LA Japanese
- L54 ANSWER 201 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 106:216 CA  
TI Antifungal activity of new azoles  
AU Van Cutsem, J.; Janssen, P. A. J.  
CS Janssen Pharm., Beerse, Belg.  
SO Recent Adv. Chemother., Proc. Int. Congr. Chemother., 14th (1985), Issue  
Antimicrobial Sect. 3, 1942-3. Editor(s): Ishigami, Joji. Publisher:  
Univ. Tokyo Press, Tokyo, Japan.  
CODEN: 55GNAX  
DT Conference  
LA English
- L54 ANSWER 202 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 105:205181 CA  
TI The biological role of keratinolytic proteinase (KPase) and its inhibitor  
on the growth of *Candida albicans*  
AU Tsuboi, Ryoji; Kurita, Yoriyuki; Iwahara, Kunio; Hirotani, Tetsuya;  
Matsuda, Kazuko; Negi, Makoto; Ogawa, Hideoki  
CS Sch. Med., Juntendo Univ., Tokyo, Japan  
SO Biol. Role Proteinases Their Inhib. Skin, [Proc. Int. Symp.], 1st (1986),  
Meeting Date 1984, 161-73. Editor(s): Ogawa, Hideoki; Lazarus, Gerald S.;  
Hopsu-Havu, Vaino K. Publisher: Elsevier, New York, N. Y.  
CODEN: 55ETA7  
DT Conference  
LA English
- L54 ANSWER 203 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 105:102623 CA

TI Antimycotic gel preparations  
 IN Uehara, Minehiko; Ohara, Yoshishige; Hattori, Toshiyuki; Nishioka,  
     Takaaki; Hata, Hiroko  
 PA Bayer A.-G. , Fed. Rep. Ger.  
 SO Eur. Pat. Appl., 26 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 186055	A2	19860702	EP 1985-115830	19851212
	EP 186055	A3	19870722		
	EP 186055	B1	19900725		
	R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
	JP 61151117	A2	19860709	JP 1984-271890	19841225
	JP 04021646	B4	19920413		
	AT 54825	E	19900815	AT 1985-115830	19851212
	ES 550345	A1	19861216	ES 1985-550345	19851223
	CA 1261756	A1	19890926	CA 1985-498430	19851223
PRAI	JP 1984-271890		19841225		
	EP 1985-115830		19851212		

L54 ANSWER 204 OF 241 CA COPYRIGHT 2003 ACS on STN  
 AN 104:95515 CA

TI Topical antifungal formulations containing film-forming resins  
 IN Suzuki, Shigeki  
 PA Terumo Corp., Japan  
 SO Jpn. Kokai Tokkyo Koho, 9 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60228412	A2	19851113	JP 1984-83867	19840427
	JP 04025930	B4	19920506		
PRAI	JP 1984-83867		19840427		

L54 ANSWER 205 OF 241 CA COPYRIGHT 2003 ACS on STN  
 AN 104:45379 CA  
 TI Effects of cell-wall active antifungal agent, aculeacin A, on cutaneous  
     Candida infections in mice  
 AU Boyer, J. M.; Mehta, R. J.  
 CS Philadelphia Coll. Osteopathic Med., Philadelphia, PA, 19131, USA  
 SO Developments in Industrial Microbiology Series (1984), 25, 679-81  
 CODEN: DIMCAL; ISSN: 0070-4563  
 DT Journal  
 LA English

L54 ANSWER 206 OF 241 CA COPYRIGHT 2003 ACS on STN  
 AN 104:10611 CA  
 TI Sustained-release, topical compositions containing polyoxyethylene castor  
     oil ether and sorbitan esters as dispersion bases  
 IN Kojima, Nobuo; Yoshikawa, Masaru; Yanagibashi, Norio; Abe, Miyuki; Fukuda,  
     Hidenori; Toda, Haruhiko  
 PA Lion Corp., Japan  
 SO Jpn. Kokai Tokkyo Koho, 10 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 60149531	A2	19850807	JP 1984-5643	19840118
JP 04055165	B4	19920902		
PRAI JP 1984-5643		19840118		
L54 ANSWER 207 OF 241 CA COPYRIGHT 2003 ACS on STN				
AN 103:200777 CA				
TI Percutaneous absorption, distribution and excretion of tioconazole cream in rats and swine				
AU Enogaki, Kazunori; Tatematsu, Hiroshi; Yoshida, Kimiko; Ito, Masami; Shimooka, Kino; Oki, Toshikazu				
CS Nagoya R. and D. Lab., Pfizer-Taito Co. Ltd., Aichi, 470-23, Japan				
SO Iyakuhin Kenkyu (1985), 16(4), 759-68 CODEN: IYKEDH; ISSN: 0287-0894				
DT Journal				
LA Japanese				
L54 ANSWER 208 OF 241 CA COPYRIGHT 2003 ACS on STN				
AN 103:98368 CA				
TI Assessment of in vivo activity of bifonazole against dermatophytic infection in guinea pigs on the basis of the amount of a specific fungal cell wall component chitin in the infected skin				
AU Uchida, K.; Yamaguchi, H.				
CS Sch. Med., Teikyo Univ., Tokyo, 192-03, Japan				
SO Dermatologica, Supplementum (1984), 169(1, Int. Symp. Bifonazole), 47-9 CODEN: DMTSBV; ISSN: 0366-9394				
DT Journal				
LA English				
L54 ANSWER 209 OF 241 CA COPYRIGHT 2003 ACS on STN				
AN 103:47851 CA				
TI Studies on antifungal activity of ketoconazole (KW-1414). V. Therapeutic effects of ketoconazole cream on experimental dermatomycosis in guinea pigs				
AU Minagawa, Harushige; Kitaura, Kozo; Okachi, Ryo; Nakamizo, Nobuhiro				
CS Pharm. Res. Lab., Kyowa Hakko Kogyo Co., Ltd., Nagaizumi, 411, Japan				
SO Shinkin to Shinkinsho (1984), 25(4), 358-62 CODEN: SHSHBL; ISSN: 0583-0516				
DT Journal				
LA Japanese				
L54 ANSWER 210 OF 241 CA COPYRIGHT 2003 ACS on STN				
AN 102:119639 CA				
TI Antimycotic imidazoles with improved bioavailability for gynecological treatment				
IN Von Bittera, Miklos; Buechel, Karl Heinz; Plempel, Manfred; Regel, Erik				
PA Bayer A.-G. , Fed. Rep. Ger.				
SO Ger. Offen., 15 pp. CODEN: GWXXBX				
DT Patent				
LA German				
FAN.CNT 2				
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 3321043	A1	19841213	DE 1983-3321043	19830610
EP 128459	A2	19841219	EP 1984-106152	19840530
EP 128459	A3	19860709		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AU 8428936	A1	19841213	AU 1984-28936	19840601
AU 579102	B2	19881117		
JP 60016919	A2	19850128	JP 1984-115610	19840607

IL 72052	A1	19880731	IL 1984-72052	19840607
DK 8402849	A	19841211	DK 1984-2849	19840608
ZA 8404349	A	19850227	ZA 1984-4349	19840608
CA 1229046	A1	19871110	CA 1984-456237	19840608
PRAI IL 1980-60803		19800808		
DE 1983-3321043		19830610		

- L54 ANSWER 211 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 102:3111 CA  
TI Comparison of the in vitro antifungal activities of clotrimazole, miconazole, econazole and exalamide against clinical isolates of dermatophytes  
AU Kusunoki, Toshio; Harada, Seiichi  
CS 2nd. Hosp., Nippon Med. Sch., Kawasaki, Japan  
SO Journal of Dermatology (1984), 11(3), 277-81  
CODEN: JDMDYAG; ISSN: 0385-2407  
DT Journal  
LA English
- L54 ANSWER 212 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 101:183620 CA  
TI Clotrimazole, an inhibitor of epidermal benzo(a)pyrene metabolism and DNA binding and carcinogenicity of the hydrocarbon  
AU Mukhtar, Hasan; Del Tito, Benjamin J., Jr.; Das, Mukul; Cherniack, Evan P.; Cherniack, Andrew D.; Bickers, David R.  
CS Dep. Dermatol., Case West. Reserve Univ., Cleveland, OH, 44106, USA  
SO Cancer Research (1984), 44(10), 4233-40  
CODEN: CNREA8; ISSN: 0008-5472  
DT Journal  
LA English
- L54 ANSWER 213 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 101:147670 CA  
TI Antifungal relative inhibition factors: BAY 1-9139, bifonazole, butoconazole, isoconazole, itraconazole (R 51211), oxiconazole, Ro 14-4767/002, sulconazole, terconazole and vibunazole (BAY n-7133) compared in vitro with nine established antifungal agents  
AU Odds, F. C.; Webster, C. E.; Abbott, A. B.  
CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK  
SO Journal of Antimicrobial Chemotherapy (1984), 14(2), 105-14  
CODEN: JACHDX; ISSN: 0305-7453  
DT Journal  
LA English
- L54 ANSWER 214 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 101:126691 CA  
TI In vitro antifungal activities of imidazole derivatives  
AU Chin, Hong Sang; Lee, Kwang Hoon; Cho, Chung Koo  
CS Coll. Med., Yonsei Univ., Seoul, S. Korea  
SO Taehan P'ibukwa Hakhoechi (1984), 22(2), 196-205  
CODEN: TPKCAW; ISSN: 0494-4739  
DT Journal  
LA Korean
- L54 ANSWER 215 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 101:116737 CA  
TI Imidazole antimycotic agent for single-application gynecological treatment  
IN Von Bittera, Miklos; Buechel, Karl Heinz; Plempel, Manfred; Regel, Erik  
PA Bayer A.-G. , Fed. Rep. Ger.  
SO Ger. Offen., 16 pp.  
CODEN: GWXXBX  
DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3243544	A1	19840530	DE 1982-3243544	19821125
PRAI	DE 1982-3243544		19821125		

L54 ANSWER 216 OF 241 CA COPYRIGHT 2003 ACS on STN

AN 101:3806 CA

TI Comparison of the in vitro antifungal activities of clotrimazole, miconazole, econazole, and exalamide against clinical isolates of dermatophytes

AU Kusunoki, Toshio; Harada, Seiichi

CS Nihon Med. Coll., Tokyo, 113, Japan

SO Nippon Hifuka Gakkai Zasshi (1982), 92(6), 671-5  
CODEN: NHKZAD; ISSN: 0300-9939

DT Journal

LA Japanese

L54 ANSWER 217 OF 241 CA COPYRIGHT 2003 ACS on STN

AN 100:99438 CA

TI Relative inhibition factors - a novel approach to the assessment of antifungal antibiotics in vitro

AU Odds, F. C.; Abbott, A. B.

CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK

SO Journal of Antimicrobial Chemotherapy (1984), 13(1), 31-43  
CODEN: JACHDX; ISSN: 0305-7453

DT Journal

LA English

L54 ANSWER 218 OF 241 CA COPYRIGHT 2003 ACS on STN

AN 97:188303 CA

TI High-release antimycotic agent in pencil form.

IN Von Bittera, Miklos; Buechel, Karl Heinz; Plempel, Manfred; Regel, Erik

PA Bayer A.-G. , Fed. Rep. Ger.

SO Ger. Offen., 17 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3106635	A1	19820909	DE 1981-3106635	19810223
	NO 8200319	A	19820824	NO 1982-319	19820203
	US 4457938	A	19840703	US 1982-346479	19820205
	AU 8280326	A1	19820902	AU 1982-80326	19820210
	EP 58887	A1	19820901	EP 1982-101001	19820211
	EP 58887	B1	19840411		
	R: AT, BE, CH, DE, FR, GB, IT, NL, SE				
	AT 6988	E	19840415	AT 1982-101001	19820211
	FI 8200563	A	19820824	FI 1982-563	19820219
	IL 65057	A1	19850630	IL 1982-65057	19820219
	DK 8200765	A	19820824	DK 1982-765	19820222
	JP 57156413	A2	19820927	JP 1982-26173	19820222
	ZA 8201137	A	19830126	ZA 1982-1137	19820222
	ES 509798	A1	19830201	ES 1982-509798	19820222
	CA 1169770	A1	19840626	CA 1982-396788	19820222
PRAI	DE 1981-3106635		19810223		
	EP 1982-101001		19820211		

L54 ANSWER 219 OF 241 CA COPYRIGHT 2003 ACS on STN

AN 97:150741 CA

TI Antifungal compositions in the form of an elastic film with a high release of the drug  
IN Von Bittera, Miklos; Buechel, Karl Heinz; Plempel, Manfred; Regel, Erik  
PA Bayer A.-G. , Fed. Rep. Ger.  
SO Eur. Pat. Appl., 19 pp.  
CODEN: EPXXDW  
DT Patent  
LA German  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 55397	A1	19820707	EP 1981-109948	19811127
	EP 55397	B1	19840822		
	R: AT, BE, CH, DE, FR, GB, IT, NL, SE				
	DE 3045914	A1	19820722	DE 1980-3045914	19801205
	NO 8103932	A	19820607	NO 1981-3932	19811119
	AT 9060	E	19840915	AT 1981-109948	19811127
	IL 64436	A1	19850331	IL 1981-64436	19811202
	FI 8103885	A	19820606	FI 1981-3885	19811203
	DK 8105382	A	19820606	DK 1981-5382	19811204
	AU 8178261	A1	19820610	AU 1981-78261	19811204
	AU 546449	B2	19850905		
	JP 57122015	A2	19820729	JP 1981-194673	19811204
	ZA 8108431	A	19821124	ZA 1981-8431	19811204
	CA 1175355	A1	19841002	CA 1981-391480	19811204
	PRAI	DE 1980-3045914		19801205	
	EP 1981-109948		19811127		

L54 ANSWER 220 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 97:3453 CA  
TI In vitro susceptibility of dermatophytes, Candida and other fungi to clotrimazole  
AU Zaror, L.; Otth, L.; Tejero, A.  
CS Fac. Med., Univ. Austral Chile, Valdivia, Chile  
SO Boletin del Instituto de Salud Publica de Chile (1981), 22(1-2), 64-8  
CODEN: BICHDZ; ISSN: 0716-1387  
DT Journal  
LA Spanish

L54 ANSWER 221 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 95:175653 CA  
TI Release of ciclopyrox olamine from dermatological preparations  
AU Petri, W.  
CS Hoechst A.-G., Frankfurt/Main, D-6230/80, Fed. Rep. Ger.  
SO Arzneimittel-Forschung (1981), 31(8A), 1332-7  
CODEN: ARZNAD; ISSN: 0004-4172  
DT Journal  
LA German

L54 ANSWER 222 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 95:138532 CA  
TI Penetration and antifungal activity of cyclopyroxolamine in hornified tissue  
AU Dittmar, W.  
CS Hoechst A.-G., Frankfurt/Main, D-6230/80, Fed. Rep. Ger.  
SO Arzneimittel-Forschung (1981), 31(8A), 1353-9  
CODEN: ARZNAD; ISSN: 0004-4172  
DT Journal  
LA German

L54 ANSWER 223 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 94:20418 CA

TI Clotrimazole fungicidal formulations  
PA Sumitomo Chemical Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 2 pp.  
CODEN: JKXXAF

DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 55098112	A2	19800725	JP 1979-4185	19790117
PRAI	JP 1979-4185		19790117		

L54 ANSWER 224 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 94:10806 CA

TI Microbiological penetration studies on ciclopirox and imidazole  
antimycotics using postmortem skin  
AU Dittmar, Walter; Jovic, Nedjeljko  
CS Dep. Chemother., Hoechst A.-G., Frankfurt, Fed. Rep. Ger.  
SO International Congress Series (1979), Volume Date 1977, 451(Dermatology),  
730-2  
CODEN: EXMDA4; ISSN: 0531-5131

DT Journal  
LA English

L54 ANSWER 225 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 93:215949 CA

TI Herbicolin - a new acylpeptide antibiotic with antifungal activity towards  
dermatophytes  
AU Winkelmann, G.; Adam, W.  
CS Inst. Biol. I, Mikrobiol. I, Univ. Tuebingen, Tuebingen, Fed. Rep. Ger.  
SO Mykosen (1980), 23(6), 290-4  
CODEN: MYKSAW; ISSN: 0027-5557

DT Journal  
LA German

L54 ANSWER 226 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 93:198415 CA

TI Influence of steroids on the antifungal activity of imidazole  
AU Hoegl, F.; Raab, W.  
CS Med.-Chem. Inst., Univ. Wien, Vienna, Austria  
SO Mykosen (1980), 23(8), 426-39  
CODEN: MYKSAW; ISSN: 0027-5557

DT Journal  
LA German

L54 ANSWER 227 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 93:198392 CA

TI Experimental studies on the antibacterial and antimycotic effects of a  
preparation containing nystatin and chlorquinaldol compared with similar  
antimicrobial agents  
AU Meyer-Rohn, J.; Puschmann, M.  
CS Inst. Exp. Dermatol., Alfred-Marchionini-Stiftung, Reinbek/Hamburg, Fed.  
Rep. Ger.  
SO Mykosen (1980), 23(6), 320-4  
CODEN: MYKSAW; ISSN: 0027-5557

DT Journal  
LA German

L54 ANSWER 228 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 92:28468 CA

TI A new broad spectrum antimycotic, isoconazole nitrate, in experimental  
animal studies

- AU Kessler, H. J.; Haude, D.; Schoebel, C.  
CS Forschungslab., Schering A.-G., Berlin, Fed. Rep. Ger.  
SO Arzneimittel-Forschung (1979), 29(9), 1352-7  
CODEN: ARZNAD; ISSN: 0004-4172  
DT Journal  
LA German
- L54 ANSWER 229 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 91:84094 CA  
TI Method for determination of antifungal activity in vitro, against a strain  
of dermatophyte. I. Fungistatic activity  
AU Desvignes, A.; Leluan, G.; Dupeyron, C.  
CS Lab. Microbiol., Fac. Pharm., Paris, 75006, Fr.  
SO Annales Pharmaceutiques Francaises (1979), 37(1-2), 65-70  
CODEN: APFRAD; ISSN: 0003-4509  
DT Journal  
LA French
- L54 ANSWER 230 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 89:174365 CA  
TI In vitro sensitivity tests with antimycotic imidazole derivatives and  
evaluation of results  
AU Hantschke, D.  
CS Clin. Dermatol., Univ. Essen, Essen, Fed. Rep. Ger.  
SO Mykosen, Supplement (1978), 1(Med. Mycol.), 222-9  
CODEN: MYSUDD; ISSN: 0344-7677  
DT Journal  
LA English
- L54 ANSWER 231 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 89:173262 CA  
TI Electron capture gas chromatographic assay for miconazole and clotrimazole  
in skin samples  
AU Wallace, S. M.; Shah, V. P.; Riegelman, S.; Epstein, W. L.  
CS Sch. Pharm., Univ. California, San Francisco, CA, USA  
SO Analytical Letters (1978), B11(6), 461-8  
CODEN: ANALBP; ISSN: 0003-2719  
DT Journal  
LA English
- L54 ANSWER 232 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 88:65898 CA  
TI Biopharmaceutical study of clotrimazole-14C in ointments  
AU Benko, G.; Mayer, A.; Kedvessy, G.  
CS State Biol. Hyg. Res. Inst. "Frederic Joliot Curie", Budapest, Hung.  
SO Pharmazeutische Industrie (1977), 39(10), 998-1000  
CODEN: PHINAN; ISSN: 0031-711X  
DT Journal  
LA German
- L54 ANSWER 233 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 88:32140 CA  
TI Topically applied antifungal agents. Percutaneous penetration and  
prophylactic activity against Trichophyton mentagrophytes infection  
AU Wallace, Sylvia M.; Shah, Vinod P.; Epstein, William L.; Greenberg,  
Joseph; Riegelman, Sidney.  
CS Letterman Army Inst. Res., Univ. California, San Francisco, CA, USA  
SO Archives of Dermatology (1977), 113(11), 1539-42  
CODEN: ARDEAC; ISSN: 0003-987X  
DT Journal  
LA English

- L54 ANSWER 234 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 85:137220 CA  
TI Toxicity of antibiotics on cultured human skin fibroblasts  
AU Byarugaba, W.; Ruediger, H. W.; Koske-Westphal, Thea; Woehler, W.;  
Passarge, E.  
CS Inst. Hum. Genet., Univ. Hamburg, Hamburg, Fed. Rep. Ger.  
SO Humangenetik (1975), 28(3), 263-7  
CODEN: HUMAA7; ISSN: 0018-7348  
DT Journal  
LA English
- L54 ANSWER 235 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 82:25601 CA  
TI Pharmacokinetics of carbon-14-labeled clotrimazole  
AU Duhm, B.; Maul, W.; Medenwald, H.; Patzschke, K.; Puetter, J.; Wegner, L.  
A.  
CS Res. Lab., Bayer A.-G., Wuppertal-Elberfeld, Fed. Rep. Ger.  
SO Postgraduate Medical Journal, Supplement (1974), 500(1), 13-16  
CODEN: PMESAJ; ISSN: 0370-0593  
DT Journal  
LA English
- L54 ANSWER 236 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 82:11346 CA  
TI Tolerance of clotrimazole on topical application  
AU Freis, A.  
CS Pharma-Res. Cent., Bayer A.-G., Wuppertal-Elberfeld, Fed. Rep. Ger.  
SO Drugs Made in Germany (1972), 15(3), 120-1  
CODEN: DRMGAS; ISSN: 0012-6683  
DT Journal  
LA English
- L54 ANSWER 237 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 82:10996 CA  
TI Pharmacokinetics of topically applied carbon-14-labeled  
bisphenyl-(2-chlorophenyl)-1-imidazolyl-methane  
AU Duhm, B.; Maul, W.; Medenwald, H.; Patzschke, K.; Wegner, L. A.;  
Oberste-Lehn, H.  
CS Isot. Inst., Bayer A.-G., Wuppertal/Elberfeld, Fed. Rep. Ger.  
SO Drugs Made in Germany (1972), 15(3), 99-100, 102-3  
CODEN: DRMGAS; ISSN: 0012-6683  
DT Journal  
LA English
- L54 ANSWER 238 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 82:277 CA  
TI Toxicity of clotrimazole  
AU Tettenborn, D.  
CS Inst. Toxicol., Bayer A.-G., Wuppertal-Elberfeld, Fed. Rep. Ger.  
SO Postgraduate Medical Journal, Supplement (1974), 50(1), 17-20  
CODEN: PMESAJ; ISSN: 0370-0593  
DT Journal  
LA English
- L54 ANSWER 239 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 82:249 CA  
TI Acute toxicity and local tolerance of clotrimazole. Summary of test  
results  
AU Tettenborn, D.  
CS Inst. Toxicol., Bayer A.-G., Wuppertal-Elberfeld, Fed. Rep. Ger.  
SO Drugs Made in Germany (1972), 15(3), 94, 96-9  
CODEN: DRMGAS; ISSN: 0012-6683

DT Journal  
LA English

L54 ANSWER 240 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 78:11719 CA  
TI Pharmacokinetics of diphenyl(2-chloro-phenyl)-1-imidazolylmethane-[14C] after topical application  
AU Duhm, B.; Maul, W.; Medenwald, H.; Patzschke, K.; Wegner, L. A.; Oberste-Lehn, H.  
CS Isot.-Inst., Bayer A.-G., Wuppertal, Fed. Rep. Ger.  
SO Arzneimittel-Forschung (1972), 22(8), 1276-80  
CODEN: ARZNAD; ISSN: 0004-4172  
DT Journal  
LA German

L54 ANSWER 241 OF 241 CA COPYRIGHT 2003 ACS on STN  
AN 78:11503 CA  
TI Acute toxicity and local tolerance of clotrimazole. Test results  
AU Tettenborn, D.  
CS Inst. Toxikol., Bayer A.-G., Wuppertal, Fed. Rep. Ger.  
SO Arzneimittel-Forschung (1972), 22(8), 1272-6  
CODEN: ARZNAD; ISSN: 0004-4172  
DT Journal  
LA German

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1 75 S FARNE SOL  
L2 1 S HEXANOYL SPHINGOSINE  
L3 0 S OLEOYL BETAINE  
L4 55 S URSOLIC ACID  
L5 165 S IONONE  
L6 0 S UTRECT-2  
L7 1 S UTRECHT 2  
L8 5 S BIFONAZOLE  
L9 6 S CLOTTRIMAZOLE  
L10 5 S KETOCONAZOLE  
L11 15 S MICONAZOLE  
L12 0 S DAIZEDEIN  
L13 51 S DAIDZEIN  
L14 75 S GENISTEIN  
L15 0 S PHYTOESTRAGEN  
E PHYTOESTROGEN  
L16 3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17 10486 S RETINOL  
L18 0 S GLUTAMASE TRANSAMINASE  
L19 189 S GLUTAMATE TRANSAMINASE  
L20 0 S L19 AND L17  
L21 19649 S TRANSAMINASE  
L22 24 S L21 AND L17  
E DERMAL  
L23 11755 S E3-E11  
L24 3285 S L1  
E PHYTOESTROGEN  
L25 1454 S E3-E8  
L26 1 S L25 AND L23

E SKIN  
L27 184746 S E3  
L28 22 S L27 AND L25  
L29 0 S RESVESEROL  
L30 1408 S RESVERATROL  
L31 4 S L30 AND L23  
L32 0 S L24 AND L30  
E FUNGUS  
L33 40001 S E3  
L34 21 S L33 AND L30  
L35 2462 S L13  
L36 3825 S L14  
L37 2384 S L10  
L38 1454 S L9  
L39 2 S L38 AND L35  
L40 47 S L35 AND L33  
L41 11 S L17 AND L33  
L42 28516 S VITAMIN A  
L43 26 S L42 AND L33  
L44 24 S L43 NOT L41  
L45 38 S L24 AND L33  
L46 43 S L38 AND L33  
L47 76 S L37 AND L33  
L48 21 S L47 AND L46  
L49 370 S HYDROXY QUINOLINE  
L50 1 S L49 AND L33  
L51 113 S L24 AND L27  
L52 127 S L36 AND L27  
L53 82 S L35 AND L27  
L54 241 S L38 AND L27

=> s l37 and l27  
L55 224 L37 AND L27

=> d 155 180-224

L55 ANSWER 180 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 117:184347 CA  
TI Ketoconazole binds to the human androgen receptor  
AU Eil, C.  
CS Dep. Intern. Med., Nav. Hosp. Uniformed Serv., Bethesda, MD, USA  
SO Hormone and Metabolic Research (1992), 24(8), 367-70  
CODEN: HMMRA2; ISSN: 0018-5043  
DT Journal  
LA English

L55 ANSWER 181 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 117:103858 CA  
TI The effects of the antifungal azoles intraconazole, fluconazole, ketoconazole and micronazole on cytokine gene expression in human lymphoid cells  
AU Friccius, H.; Pohla, H.; Adibzadeh, M.; Siegels-Huebenthal, P.; Schenk, A.; Pawelec, G.  
CS Med.-Naturwis.-Forschungszent., Tuebingen, D-7400, Germany  
SO International Journal of Immunopharmacology (1992), 14(5), 791-9  
CODEN: IJIMDS; ISSN: 0192-0561  
DT Journal  
LA English

L55 ANSWER 182 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 116:211023 CA  
TI Study of lipids in dermatophytes II. The effect of ketoconazole in the

AU exponential stage of growth  
Merkunova, A.; Chmela, Z.; Lenhart, K.  
CS Med. Fac., Palacky Univ., Olomouc, 775 15, Czech.  
SO Acta Universitatis Palackianae Olomucensis, Facultatis Medicae (1991),  
129, 39-50  
CODEN: AUPMAF; ISSN: 0301-2514  
DT Journal  
LA English

L55 ANSWER 183 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 116:143854 CA  
TI Treatment of cutaneous hypersensitivity with topical calcium channel blockers  
IN Sharpe, Richard J.; Arndt, Kenneth A.; Galli, Stephen J.  
PA Beth Israel Hospital Assoc., USA  
SO S. African, 23 pp.  
CODEN: SFXXAB  
DT Patent  
LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI ZA 9006583	A	19910925	ZA 1990-6583	19900720
PRAI US 1989-396846		19890821		

L55 ANSWER 184 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 116:113521 CA  
TI Topical compositions containing imidazole derivatives as dermal penetration enhancers  
IN Parab, Prakash  
PA Bristol-Myers Squibb Co., USA  
SO Eur. Pat. Appl., 13 pp.  
CODEN: EPXXDW

DT Patent  
LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 457333	A2	19911121	EP 1991-107975	19910516
EP 457333	A3	19921202		
US 5087620	A	19920211	US 1990-524417	19900517
CA 2038899	AA	19911118	CA 1991-2038899	19910322
AU 9175274	A1	19911121	AU 1991-75274	19910423
AU 632925	B2	19930114		
JP 04226922	A2	19920817	JP 1991-197501	19910508
US 5374633	A	19941220	US 1991-771590	19911004
PRAI US 1990-524417		19900517		

L55 ANSWER 185 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 116:102602 CA  
TI Composition and treatment with biologically active peptides and anti-parasitic agents or anti-fungal agents  
IN Berkowitz, Barry; Jacob, Leonard  
PA Magainin Sciences, Inc., USA  
SO PCT Int. Appl., 32 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI	WO 9116918	A1	19911114	WO 1991-US2825	19910424
	W: JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
	EP 526570	A1	19930210	EP 1991-909220	19910424
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	JP 05507077	T2	19931014	JP 1991-508676	19910424
	CA 2041246	AA	19911028	CA 1991-2041246	19910425
PRAI	US 1990-515248		19900427		
	WO 1991-US2825		19910424		

L55 ANSWER 186 OF 224 CA COPYRIGHT 2003 ACS on STN

AN 115:189747 CA

TI Pharmaceutical and cosmetic composition containing .alpha.-hydroxy acids, .alpha.-keto-acids, and amphoteric agents

IN Yu, Ruey J.; Van Scott, Eugene J.

PA USA

SO Eur. Pat. Appl., 34 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 7

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI EP 413528	A1	19910220	EP 1990-308828	19900810
EP 413528	B1	19951115		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE			
US 5091171	A	19920225	US 1989-393749	19890815
US 5091171	B1	19950926		
US 5091171	B2	19970715		
CA 2019273	AA	19910215	CA 1990-2019273	19900619
CA 2019273	C	20010529		
CA 2337750	C	20021015	CA 1990-2337750	19900619
AU 9059139	A1	19910221	AU 1990-59139	19900718
AU 660917	B2	19950713		
EP 671162	A2	19950913	EP 1995-105358	19900810
EP 671162	A3	19951227		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE			
AT 130187	E	19951215	AT 1990-308828	19900810
ES 2081936	T3	19960316	ES 1990-308828	19900810
JP 3016588	B2	20000306	JP 1991-505539	19910121
US 5385938	A	19950131	US 1992-925877	19920807
US 5385938	B1	19920807		
US 5091171	B1	19950926	US 1992-90002911	19921217
US 5702688	A	19971230	US 1993-135841	19931007
US 5637615	A	19970610	US 1995-467153	19950606
US 5643961	A	19970701	US 1995-466737	19950606
US 5643962	A	19970701	US 1995-466740	19950606
US 5643952	A	19970701	US 1995-466770	19950606
US 5643953	A	19970701	US 1995-467156	19950606
US 5643963	A	19970701	US 1995-471523	19950606
US 5648395	A	19970715	US 1995-466739	19950606
US 5648391	A	19970715	US 1995-469812	19950606
US 5648388	A	19970715	US 1995-471511	19950606
US 5650436	A	19970722	US 1995-467134	19950606
US 5650437	A	19970722	US 1995-470060	19950606
US 5650440	A	19970722	US 1995-471513	19950606
US 5652267	A	19970729	US 1995-469814	19950606
US 5654340	A	19970805	US 1995-467989	19950606
US 5656665	A	19970812	US 1995-466771	19950606
US 5656666	A	19970812	US 1995-470829	19950606
US 5670542	A	19970923	US 1995-465700	19950606
US 5670543	A	19970923	US 1995-471521	19950606

US	5674899	A	19971007	US	1995-465704	19950606
US	5674903	A	19971007	US	1995-468079	19950606
US	5677339	A	19971014	US	1995-466820	19950606
US	5677340	A	19971014	US	1995-468077	19950606
US	5716992	A	19980210	US	1995-469811	19950606
US	5827882	A	19981027	US	1995-465695	19950606
US	5654336	A	19970805	US	1995-483328	19950607
US	5681853	A	19971028	US	1995-472317	19950607
US	5684044	A	19971104	US	1995-472315	19950607
US	5690967	A	19971125	US	1995-472310	19950607
AU	9533110	A1	19960215	AU	1995-33110	19951006
AU	701962	B2	19990211			
US	6060512	A	20000509	US	1998-185608	19981104
US	6051609	A	20000418	US	1998-222997	19981230
US	6191167	B1	20010220	US	1999-255702	19990223
US	2003083380	A1	20030501	US	2000-729981	20001206
PRAI	US 1989-393749	A	19890815			
	US 1986-945680	B2	19861223			
	US 1990-469738	B1	19900119			
	US 1990-467958	A	19900122			
	CA 1990-2019273	A3	19900619			
	EP 1990-308828	A3	19900810			
	WO 1991-US412	W	19910121			
	US 1992-840149	B1	19920224			
	US 1993-135841	A1	19931007			
	US 1997-926030	A1	19970909			
	US 1997-998864	A1	19971229			
	US 1997-998871	A3	19971229			
	US 1998-185608	A1	19981104			
	US 2000-513225	B1	20000225			
OS	MARPAT 115:189747					

L55 ANSWER 187 OF 224 CA COPYRIGHT 2003 ACS on STN  
 AN 115:126342 CA

TI Single application study of ketoconazole, an antifungal agent, in healthy subjects

AU Kobayashi, Takashi; Nishikawa, Takeji

CS Sch. Med., Keio Univ., Tokyo, Japan

SO Yakuri to Chiryo (1973-2000) (1991), 19(5), 1857-61  
 CODEN: YACHDS; ISSN: 0386-3603

DT Journal

LA Japanese

L55 ANSWER 188 OF 224 CA COPYRIGHT 2003 ACS on STN  
 AN 115:126341 CA

TI Skin kinetics of ketoconazole (KCZ), an antifungal agents, absorption, distribution and excretion of 3H-KCZ and 14C0KCZ in rats and rabbits

AU Fujita, Hironori; Mataki, Yoichi; Deguchi, Takashi; Mori, Ikuji; Yamamoto, Fumihibzo; Ito, Teruto; Nagai, Toshimitsu

CS Kyowa Bio-Res. Lab. Co., Ltd., Japan

SO Yakuri to Chiryo (1973-2000) (1991), 19(5), 1845-55  
 CODEN: YACHDS; ISSN: 0386-3603

DT Journal

LA Japanese

L55 ANSWER 189 OF 224 CA COPYRIGHT 2003 ACS on STN  
 AN 114:227507 CA

TI Astaxanthin, its enhanced production with yeast mutants, and use as a natural coloring agent

IN Johnson, Eric A.; Schreiber, David; Ho, Kwok P.; Hall, William T.; Yang, Huei Hsiung; Geldiay-Tuncer, Beril

PA Igene Biotechnology, Inc., USA  
 SO PCT Int. Appl., 45 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9102060	A1	19910221	WO 1990-US558	19900105
	W: AU, KR, SU				
	CA 1335884	A1	19950613	CA 1989-607791	19890808
	US 5182208	A	19930126	US 1989-399183	19890823
	AU 9055385	A1	19910311	AU 1990-55385	19900105
	AU 653916	B2	19941020		
	US 5356809	A	19941018	US 1992-837120	19920214
PRAI	US 1989-385961		19890728		
	US 1988-229536		19880808		
	US 1989-399183		19890823		
	WO 1990-US558		19900105		

L55 ANSWER 190 OF 224 CA COPYRIGHT 2003 ACS on STN  
 AN 114:177909 CA  
 TI Azone effect on transdermal absorption of ketoconazole determined by multi-wavelength area integral method  
 AU Wang, Xiaobo; Yue, Ping; Xing, Shanmin; Zhu, Guizhi; Lan, Xueshan; Zhou, Gaixian  
 CS Dep. Clin. Pharmacol., Chin. People's Liberation Army Hosp. 210, Dalian, Peop. Rep. China  
 SO Shenyang Yaoxueyuan Xuebao (1991), 8(1), 9-13  
 CODEN: SYXUE3; ISSN: 1000-1727  
 DT Journal  
 LA Chinese

L55 ANSWER 191 OF 224 CA COPYRIGHT 2003 ACS on STN  
 AN 114:108954 CA  
 TI Pharmaceutical compositions containing ketoconazole for the treatment of acne vulgaris and other skin disorders  
 IN Cauwenbergh, Gerard Frans Maria Jan  
 PA Janssen Pharmaceutica N. V., Belg.  
 SO Eur. Pat. Appl., 11 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 396184	A2	19901107	EP 1990-201054	19900426
	EP 396184	A3	19920520		
	EP 396184	B1	19961113		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	AT 145136	E	19961115	AT 1990-201054	19900426
	ES 2096577	T3	19970316	ES 1990-201054	19900426
	CA 2015838	AA	19901103	CA 1990-2015838	19900501
	CA 2015838	C	20020827		
	AU 9054711	A1	19901115	AU 1990-54711	19900502
	AU 626672	B2	19920806		
	JP 02295927	A2	19901206	JP 1990-115340	19900502
	JP 2833711	B2	19981209		
	ZA 9003339	A	19920129	ZA 1990-3339	19900502
	IL 94267	A1	19941111	IL 1990-94267	19900502
	US 5476852	A	19951219	US 1993-111094	19930824
PRAI	GB 1989-10069	A	19890503		

US 1990-510636 B2 19900418  
US 1990-540544 B1 19900619

- L55 ANSWER 192 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 113:227840 CA  
TI In vitro susceptibility of dermatophytes from Munich to griseofulvin, miconazole and ketoconazole  
AU Korting, H. C.; Rosenkranz, Simone  
CS Dep. Dermatol. Venereol., Ludwig-Maximilians-Univ., Munich, D-8000/2, Germany  
SO Mycoses (1990), 33(3), 136-9  
CODEN: MYCSEU; ISSN: 0933-7407  
DT Journal  
LA English
- L55 ANSWER 193 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 113:218006 CA  
TI Acetylated low-density lipoprotein as a vehicle for anti-infectious drugs: preparation and antileishmanial activity of Ac-LDL containing ketoconazole oleate  
AU Nicolas, J. M.; Pirson, P.; Leclef, B.; Trouet, A.  
CS Medgenix Group, IRE B3, Fleurus, B-6220, Belg.  
SO Annals of Tropical Medicine & Parasitology (1990), 84(4), 325-36  
CODEN: ATMPA2; ISSN: 0003-4983  
DT Journal  
LA English
- L55 ANSWER 194 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 113:108895 CA  
TI Potentiation of interleukin 1.alpha. mediated antitumor effects by ketoconazole  
AU Braunschweiger, Paul G.; Kumar, Nirmal; Constantinidis, Ioannis; Wehrle, Janna P.; Glickson, Jerry D.; Johnson, Candace S.; Furmanski, Philip  
CS Lab. Exp. Ther., AMC Cancer Res. Cent., Denver, CO, 80214, USA  
SO Cancer Research (1990), 50(15), 4709-17  
CODEN: CNREA8; ISSN: 0008-5472  
DT Journal  
LA English
- L55 ANSWER 195 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 112:233041 CA  
TI Differential regulation of low density lipoprotein suppression of HMG-CoA reductase activity in cultured cells by inhibitors of cholesterol biosynthesis  
AU Gupta, Arun K.; Sexton, Russell C.; Rudney, Harry  
CS Coll. Med., Univ. Cincinnati, Cincinnati, OH, 45267-0524, USA  
SO Journal of Lipid Research (1990), 31(2), 203-15  
CODEN: JLPRAW; ISSN: 0022-2275  
DT Journal  
LA English
- L55 ANSWER 196 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 111:146345 CA  
TI Activity of triazole derivatives against *Pityrosporum orbiculare* in vitro and in vivo  
AU Faergemann, Jan  
CS Dep. Dermatol., Univ. Goeteborg, Goeteborg, S-413 45, Swed.  
SO Annals of the New York Academy of Sciences (1988), 544(Antifungal Drugs), 348-53  
CODEN: ANYAA9; ISSN: 0077-8923  
DT Journal  
LA English

L55 ANSWER 197 OF 224 CA COPYRIGHT 2003 ACS on STN  
 AN 111:89854 CA  
 TI Treatment of experimental zygomycosis in guinea pigs with azoles and with amphotericin B  
 AU Van Cutsem, J.; Van Gerven, F.; Fransen, J.; Janssen, P. A. J.  
 CS Janssen Res. Found., Beerse, Belg.  
 SO Chemotherapy (Basel, Switzerland) (1989), 35(4), 267-72  
 CODEN: CHTHBK; ISSN: 0009-3157  
 DT Journal  
 LA English

L55 ANSWER 198 OF 224 CA COPYRIGHT 2003 ACS on STN  
 AN 110:88070 CA  
 TI Chemotherapeutic activity in a mouse model of cryptococcosis with cutaneous and nasal involvement  
 AU Polak, Annemarie; Dixon, D. M.  
 CS Hoffmann-La Roche and Co. Ltd., Pharm. Res., Basel, Switz.  
 SO Mycoses (1988), 31(10), 501-7  
 CODEN: MYCSEU; ISSN: 0933-7407  
 DT Journal  
 LA English

L55 ANSWER 199 OF 224 CA COPYRIGHT 2003 ACS on STN  
 AN 110:249 CA  
 TI Binding of drugs to human skin: influencing factors and the role of tissue lipids  
 AU Walter, K.; Kurz, H.  
 CS Walther Straub-Inst. Pharmakol. Toxikol., Ludwig-Maximilians-Univ., Munich, 8000/2, Fed. Rep. Ger.  
 SO Journal of Pharmacy and Pharmacology (1988), 40(10), 689-93  
 CODEN: JPPMAB; ISSN: 0022-3573  
 DT Journal  
 LA English

L55 ANSWER 200 OF 224 CA COPYRIGHT 2003 ACS on STN  
 AN 109:216035 CA  
 TI Hydroxycarboxylic acids as additives enhancing topical actions of therapeutic agents  
 IN Van Scott, Eugene J.  
 PA Yu, Ruey J., USA  
 SO Eur. Pat. Appl., 23 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 7

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 273202	A2	19880706	EP 1987-117405	19871125
	EP 273202	A3	19900606		
	EP 273202	B1	19950621		
	R: DE, ES, FR, GB, IT				
	AU 8779986	A1	19880623	AU 1987-79986	19871021
	AU 618517	B2	19920102		
	CA 1324077	A1	19931109	CA 1987-549964	19871022
	JP 63166837	A2	19880711	JP 1987-280275	19871105
	JP 2533339	B2	19960911		
	EP 599819	A2	19940601	EP 1994-102151	19871125
	EP 599819	A3	19940727		
	EP 599819	B1	19970402		
	R: DE, ES, FR, GB, IT				
	ES 2074978	T3	19951001	ES 1987-117405	19871125

EP 770399	A2	19970502	EP 1997-100470	19871125
R: DE, ES, FR, GB, IT				
ES 2103506	T3	19970916	ES 1994-102151	19871125
JP 3016588	B2	20000306	JP 1991-505539	19910121
AU 9213943	A1	19920528	AU 1992-13943	19920331
AU 654850	B2	19941124		
US 5385938	A	19950131	US 1992-925877	19920807
US 5385938	B1	19920807		
CA 1340120	A1	19981110	CA 1992-616460	19920810
US 5091171	B1	19950926	US 1992-90002911	19921217
US 5665776	A	19970909	US 1993-8223	19930122
US 5389677	A	19950214	US 1993-89101	19930712
US 5389677	B1	19970715		
US 5702688	A	19971230	US 1993-135841	19931007
US 5422370	A	19950606	US 1994-179189	19940110
US 5422370	B1	19970715		
US 5470880	A	19951128	US 1994-179190	19940110
US 5550154	A	19960827	US 1995-463235	19950605
US 5561159	A	19961001	US 1995-463062	19950605
US 5561155	A	19961001	US 1995-464071	19950605
US 5589505	A	19961231	US 1995-463724	19950605
US 5591774	A	19970107	US 1995-463063	19950605
US 5668177	A	19970916	US 1995-464500	19950605
US 5670541	A	19970923	US 1995-464475	19950605
US 5550158	A	19960827	US 1995-471530	19950606
US 5554651	A	19960910	US 1995-467894	19950606
US 5556882	A	19960917	US 1995-467530	19950606
US 5561156	A	19961001	US 1995-470433	19950606
US 5561153	A	19961001	US 1995-470435	19950606
US 5565487	A	19961015	US 1995-471528	19950606
US 5571841	A	19961105	US 1995-470434	19950606
US 5574067	A	19961112	US 1995-467001	19950606
US 5578644	A	19961126	US 1995-471518	19950606
US 5580902	A	19961203	US 1995-465699	19950606
US 5583156	A	19961210	US 1995-467895	19950606
US 5599843	A	19970204	US 1995-471529	19950606
US 5612376	A	19970318	US 1995-465703	19950606
US 5637615	A	19970610	US 1995-467153	19950606
US 5643961	A	19970701	US 1995-466737	19950606
US 5643962	A	19970701	US 1995-466740	19950606
US 5643952	A	19970701	US 1995-466770	19950606
US 5643953	A	19970701	US 1995-467156	19950606
US 5643963	A	19970701	US 1995-471523	19950606
US 5648395	A	19970715	US 1995-466739	19950606
US 5648391	A	19970715	US 1995-469812	19950606
US 5648388	A	19970715	US 1995-471511	19950606
US 5650436	A	19970722	US 1995-467134	19950606
US 5650437	A	19970722	US 1995-470060	19950606
US 5650440	A	19970722	US 1995-471513	19950606
US 5652267	A	19970729	US 1995-469814	19950606
US 5654340	A	19970805	US 1995-467989	19950606
US 5656665	A	19970812	US 1995-466771	19950606
US 5656666	A	19970812	US 1995-470829	19950606
US 5670542	A	19970923	US 1995-465700	19950606
US 5670543	A	19970923	US 1995-471521	19950606
US 5674899	A	19971007	US 1995-465704	19950606
US 5674903	A	19971007	US 1995-468079	19950606
US 5677339	A	19971014	US 1995-466820	19950606
US 5677340	A	19971014	US 1995-468077	19950606
US 5716992	A	19980210	US 1995-469811	19950606
US 5827882	A	19981027	US 1995-465695	19950606
US 5554652	A	19960910	US 1995-487685	19950607

US	5554654	A	19960910	US	1995-487692	19950607
US	5561157	A	19961001	US	1995-472318	19950607
US	5571837	A	19961105	US	1995-475685	19950607
US	5621006	A	19970415	US	1995-472314	19950607
US	5654336	A	19970805	US	1995-483328	19950607
US	5681853	A	19971028	US	1995-472317	19950607
US	5684044	A	19971104	US	1995-472315	19950607
US	5690967	A	19971125	US	1995-472310	19950607
US	5691378	A	19971125	US	1995-487684	19950607
CA	1339706	A1	19980310	CA	1995-617036	19951031
US	5889054	A	19990330	US	1997-925063	19970908
US	5962526	A	19991005	US	1997-926030	19970909
US	5856357	A	19990105	US	1997-937008	19970924
US	6060512	A	20000509	US	1998-185608	19981104
US	6051609	A	20000418	US	1998-222997	19981230
US	6384079	B1	20020507	US	1999-224949	19990104
US	6191167	B1	20010220	US	1999-255702	19990223
US	2003083380	A1	20030501	US	2000-729981	20001206
US	2001016604	A1	20010823	US	2001-774882	20010201
US	2003017130	A1	20030123	US	2002-71345	20020208
PRAI	US 1986-945680	A	19861223			
	CA 1987-549964	A3	19871022			
	EP 1987-117405	A3	19871125			
	EP 1994-102151	A3	19871125			
	US 1989-393749	A3	19890815			
	US 1990-469738	B1	19900119			
	US 1990-467958	A	19900122			
	WO 1991-US412	W	19910121			
	US 1991-683437	B1	19910410			
	US 1991-812858	B1	19911223			
	US 1992-840149	B1	19920224			
	CA 1992-616460	A3	19920810			
	US 1992-936863	B1	19920827			
	US 1993-8112	A3	19930122			
	US 1993-8223	A3	19930122			
	US 1993-89101	A1	19930712			
	US 1993-117559	B1	19930907			
	US 1993-135841	A1	19931007			
	US 1994-179190	A1	19940110			
	US 1994-359939	A1	19941220			
	US 1995-478524	A1	19950607			
	US 1995-487684	A1	19950607			
	US 1997-926030	A1	19970909			
	US 1997-998864	A1	19971229			
	US 1997-998871	A3	19971229			
	US 1998-185608	A1	19981104			
	US 1998-222995	B1	19981230			
	US 1998-222997	A1	19981230			
	US 2000-510368	B1	20000222			
	US 2000-513225	B1	20000225			
	US 2001-774822	A1	20010130			
OS	MARPAT 109:216035					

L55 ANSWER 201 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 109:208155 CA  
TI Antifungigram of dermatophytes  
AU Steiman, R.; Seigle-Murandi, F.; Sage, L.  
CS Lab. Bot., Cryptogamie, Biol. Cell. Genet., UFR Pharm., Meylan, 38243, Fr.  
SO Annales de l'Institut Pasteur/Microbiology (1988), 139(4), 485-91  
CODEN: AIPME3; ISSN: 0769-2609  
DT Journal  
LA French

- L55 ANSWER 202 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 109:187108 CA  
TI Further in vitro studies with oxiconazole nitrate  
AU Shadomy, Smith; Wang, Hong; Shadomy, H. Jean  
CS Med. Coll. Virginia, Virginia Commonw. Univ., Richmond, VA, USA  
SO Diagnostic Microbiology and Infectious Disease (1988), 9(4), 231-7  
CODEN: DMIDZ; ISSN: 0732-8893  
DT Journal  
LA English
- L55 ANSWER 203 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 109:187106 CA  
TI Investigations upon the combined action of propolis and antimycotic drugs  
on Candida albicans  
AU Holderna, E.; Kedzia, B.  
CS Inst. Med. Plants, Poznan, 61-707, Pol.  
SO Herba Polonica (1987), 33(2), 145-51  
CODEN: HPBIA9; ISSN: 0018-0599  
DT Journal  
LA English
- L55 ANSWER 204 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 107:36493 CA  
TI In vitro activity of systemic antifungal agents against Malassezia furfur  
AU Marcon, Mario J.; Durrell, Diane E.; Powell, Dwight A.; Buesching, William  
J.  
CS Dep. Pathol., Ohio State Univ., Columbus, OH, 43210, USA  
SO Antimicrobial Agents and Chemotherapy (1987), 31(6), 951-3  
CODEN: AMACQ; ISSN: 0066-4804  
DT Journal  
LA English
- L55 ANSWER 205 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 106:97789 CA  
TI Human hair follicle benzo[a]pyrene and benzo[a]pyrene 7,8-diol metabolism:  
effect of exposure to a coal tar-containing shampoo  
AU Merk, Hans F.; Mukhtar, Hasan; Kaufmann, Irene; Das, Mukul; Bickers, David  
R.  
CS Dep. Dermatol., Univ. Cologne, Cologne, Fed. Rep. Ger.  
SO Journal of Investigative Dermatology (1987), 88(1), 71-6  
CODEN: JIDEAE; ISSN: 0022-202X  
DT Journal  
LA English
- L55 ANSWER 206 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 106:95472 CA  
TI Hair follicle: a model for determination of the imidazole-dependent  
inhibition of xenobiotic-metabolizing enzymes in human epidermal cells  
AU Kaufmann, Irene; Nettersheim, H.; Merk, H. F.  
CS Universitaets-Hautklin., Cologne, D-5000/41, Fed. Rep. Ger.  
SO GIT-Supplement (1986), (6), 68-9  
CODEN: GITSD4; ISSN: 0930-4061  
DT Journal  
LA German
- L55 ANSWER 207 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 106:216 CA  
TI Antifungal activity of new azoles  
AU Van Cutsem, J.; Janssen, P. A. J.  
CS Janssen Pharm., Beerse, Belg.  
SO Recent Adv. Chemother., Proc. Int. Congr. Chemother., 14th (1985), Issue

Antimicrobial Sect. 3, 1942-3. Editor(s): Ishigami, Joji. Publisher:  
Univ. Tokyo Press, Tokyo, Japan.

CODEN: 55GNAX

DT Conference

LA English

L55 ANSWER 208 OF 224 CA COPYRIGHT 2003 ACS on STN

AN 105:18440 CA

TI Comparative effects of growth inhibitors on DNA replication, DNA repair,  
and protein synthesis in human epidermal keratinocytes

AU Bohr, Vilhelm; Mansbridge, Jonathan; Hanawalt, Philip

CS Psoriasis Res. Inst., Palo Alto, CA, USA

SO Cancer Research (1986), 46(6), 2929-35

CODEN: CNREA8; ISSN: 0008-5472

DT Journal

LA English

L55 ANSWER 209 OF 224 CA COPYRIGHT 2003 ACS on STN

AN 104:141602 CA

TI In vivo tests for antimycotic drugs

AU Gargani, G.; Pini, G.

CS Inst. Microbiol., Univ. Florence, Florence, 50134, Italy

SO Chemioterapia (1985), 4(5), 406-12

CODEN: CHEMEV; ISSN: 0392-906X

DT Journal

LA English

L55 ANSWER 210 OF 224 CA COPYRIGHT 2003 ACS on STN

AN 104:102006 CA

TI Treatment of sporotrichosis and black fungus infections. With special  
reference to the mechanism of action of potassium iodide in sporotrichosis

AU Honbo, Shozo; Koga, Tetsuya; Yamano, Tatsufumi; Urabe, Harukuni

CS Fac. Med., Kyushu Univ., Fukuoka, 812, Japan

SO Shinkin to Shinkinsho (1985), 26(3), 152-8

CODEN: SHSHBL; ISSN: 0583-0516

DT Journal

LA Japanese

L55 ANSWER 211 OF 224 CA COPYRIGHT 2003 ACS on STN

AN 103:153372 CA

TI Ketoconazole, an orally active broad-spectrum antifungal

AU Van Cutsem, Jan; Van Gerven, F.; Janssen, P. A. J.

CS Dep. Bacteriol. Mycol., Janssen Pharm. N.V., Beerse, B-2340, Belg.

SO Proc. Int. Congr. Chemother., 13th (1983), Volume 6, 115/3-115/6.

Editor(s): Spitzky, K. H.; Karrer, K. Publisher: Verlag H. Eggermann,  
Vienna, Austria.

CODEN: 53XPA8

DT Conference

LA English

L55 ANSWER 212 OF 224 CA COPYRIGHT 2003 ACS on STN

AN 103:47851 CA

TI Studies on antifungal activity of ketoconazole (KW-1414). V. Therapeutic  
effects of ketoconazole cream on experimental dermatomycosis in guinea  
pigs

AU Minagawa, Haruhige; Kitaura, Kozo; Okachi, Ryo; Nakamizo, Nobuhiro

CS Pharm. Res. Lab., Kyowa Hakko Kogyo Co., Ltd., Nagaizumi, 411, Japan

SO Shinkin to Shinkinsho (1984), 25(4), 358-62

CODEN: SHSHBL; ISSN: 0583-0516

DT Journal

LA Japanese

- L55 ANSWER 213 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 101:163167 CA  
TI Ketoconazole concentrations in human skin blister fluid and plasma  
AU Schaefer-Korting, M.; Korting, H. C.; Dorn, M.; Mutschler, E.  
CS Fac. Pharm. Biochem., Univ. Frankfurt, Frankfurt/Main, D-6000, Fed. Rep. Ger.  
SO International Journal of Clinical Pharmacology, Therapy and Toxicology (1984), 22(7), 371-4  
CODEN: IJCPB5; ISSN: 0300-9718  
DT Journal  
LA English
- L55 ANSWER 214 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 101:147670 CA  
TI Antifungal relative inhibition factors: BAY 1-9139, bifonazole, butoconazole, isoconazole, itraconazole (R 51211), oxiconazole, Ro 14-4767/002, sulconazole, terconazole and vibunazole (BAY n-7133) compared in vitro with nine established antifungal agents  
AU Odds, F. C.; Webster, C. E.; Abbott, A. B.  
CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK  
SO Journal of Antimicrobial Chemotherapy (1984), 14(2), 105-14  
CODEN: JACHDX; ISSN: 0305-7453  
DT Journal  
LA English
- L55 ANSWER 215 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 101:126691 CA  
TI In vitro antifungal activities of imidazole derivatives  
AU Chin, Hong Sang; Lee, Kwang Hoon; Cho, Chung Koo  
CS Coll. Med., Yonsei Univ., Seoul, S. Korea  
SO Taehan P'ibukwa Hakhoechi (1984), 22(2), 196-205  
CODEN: TPKCAW; ISSN: 0494-4739  
DT Journal  
LA Korean
- L55 ANSWER 216 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 100:99438 CA  
TI Relative inhibition factors - a novel approach to the assessment of antifungal antibiotics in vitro  
AU Odds, F. C.; Abbott, A. B.  
CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK  
SO Journal of Antimicrobial Chemotherapy (1984), 13(1), 31-43  
CODEN: JACHDX; ISSN: 0305-7453  
DT Journal  
LA English
- L55 ANSWER 217 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 100:96195 CA  
TI Studies on antifungal activity of ketoconazole (KW-1414). III. Pharmacokinetics of ketoconazole following oral administration in rats by bioassay  
AU Minagawa, Harushige; Kitaura, Kozo; Mineura, Kazuyuki; Marumo, Hirofuto  
CS Pharm. Res. Lab., Kyowa Hakko Kogyo Co. Ltd., Shizuoka, 411, Japan  
SO Shinkin to Shinkinsho (1983), 24(2), 122-27  
CODEN: SHSHBL; ISSN: 0583-0516  
DT Journal  
LA Japanese
- L55 ANSWER 218 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 100:79404 CA  
TI Orally administered ketoconazole: route of delivery to the human stratum

corneum  
AU Harris, Russell; Jones, Henry E.; Artis, William M.  
CS Sch. Med., Emory Univ., Atlanta, GA, 30322, USA  
SO Antimicrobial Agents and Chemotherapy (1983), 24(6), 876-82  
CODEN: AMACCQ; ISSN: 0066-4804  
DT Journal  
LA English

L55 ANSWER 219 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 99:207597 CA  
TI Differences in the biochemical properties of aldrin epoxidase, a cytochrome P 450-dependent monooxygenase, in various tissues  
AU Van Cantfort, J.; Leonard-Poma, M.; Sele-Doyen, J.; Gielen, J. E.  
CS Inst. Pathol., Univ. Liege, Sart Tilman, B-4000, Belg.  
SO Biochemical Pharmacology (1983), 32(18), 2697-702  
CODEN: BCPCA6; ISSN: 0006-2952  
DT Journal  
LA English

L55 ANSWER 220 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 99:191495 CA  
TI Comparison of the in vitro antifungal activities of ketoconazole and griseofulvin against clinical isolates of dermatophytes  
AU Kusunoki, Toshio; Harada, Seiichi  
CS Dep. Dermatol., Nippon Med. Sch., Tokyo, 113, Japan  
SO Shinkin to Shinkinsho (1982), 23(4), 305-7  
CODEN: SHSHBL; ISSN: 0583-0516  
DT Journal  
LA English

L55 ANSWER 221 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 99:187116 CA  
TI The antifungal activity of ketoconazole  
AU Van Cutsem, Jan  
CS Dep. Bacteriol. Mycol., Janssen Pharm., Beerse, Belg.  
SO American Journal of Medicine (1983), 74(1B), 9-15  
CODEN: AJMEAZ; ISSN: 0002-9343  
DT Journal  
LA English

L55 ANSWER 222 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 98:209626 CA  
TI Ketoconazole therapy of experimentally induced sporotrichosis infections in cats: a preliminary study  
AU Raimer, Sharon S.; Ewert, Adam; MacDonald, Etta M.; Reitmeyer, James C.; Dotson, A. Dearl; Mader, Jon T.  
CS Med. Branch, Univ. Texas, Galveston, TX, 77550, USA  
SO Current Therapeutic Research (1983), 33(4), 670-80  
CODEN: CTCEA9; ISSN: 0011-393X  
DT Journal  
LA English

L55 ANSWER 223 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 93:198415 CA  
TI Influence of steroids on the antifungal activity of imidazole  
AU Hoegl, F.; Raab, W.  
CS Med.-Chem. Inst., Univ. Wien, Vienna, Austria  
SO Mykosen (1980), 23(8), 426-39  
CODEN: MYKSAW; ISSN: 0027-5557  
DT Journal  
LA German

L55 ANSWER 224 OF 224 CA COPYRIGHT 2003 ACS on STN  
AN 91:83208 CA  
TI Ketoconazole - a new broad spectrum orally active antimycotic  
AU Thienpont, D.; Van Cutsem, J.; Van Gerven, F.; Heeres, J.; Janssen, P. A.  
J.  
CS Janssen Pharm., Beerse, B-2340, Belg.  
SO Experientia (1979), 35(5), 606-7  
CODEN: EXPEAM; ISSN: 0014-4754  
DT Journal  
LA English

=> d his

(FILE 'HOME' ENTERED AT 15:31:51 ON 04 AUG 2003)

FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1 75 S FARNESOL  
L2 1 S HEXANOYL SPHINGOSINE  
L3 0 S OLEOYL BETAINE  
L4 55 S URSOLIC ACID  
L5 165 S IONONE  
L6 0 S UTRECT-2  
L7 1 S UTRECHT 2  
L8 5 S BIFONAZOLE  
L9 6 S CLOTRIMAZOLE  
L10 5 S KETOCONAZOLE  
L11 15 S MICONAZOLE  
L12 0 S DAIZEDEIN  
L13 51 S DAIDZEIN  
L14 75 S GENISTEIN  
L15 0 S PHYTOESTRAGEN  
E PHYTOESTROGEN  
L16 3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17 10486 S RETINOL  
L18 0 S GLUTAMASE TRANSAMINASE  
L19 189 S GLUTAMATE TRANSAMINASE  
L20 0 S L19 AND L17  
L21 19649 S TRANSAMINASE  
L22 24 S L21 AND L17  
E DERMAL  
L23 11755 S E3-E11  
L24 3285 S L1  
E PHYTOESTROGEN  
L25 1454 S E3-E8  
L26 1 S L25 AND L23  
E SKIN  
L27 184746 S E3  
L28 22 S L27 AND L25  
L29 0 S RESVERATROL  
L30 1408 S RESVERATROL  
L31 4 S L30 AND L23  
L32 0 S L24 AND L30  
E FUNGUS  
L33 40001 S E3  
L34 21 S L33 AND L30  
L35 2462 S L13  
L36 3825 S L14  
L37 2384 S L10  
L38 1454 S L9

L39            2 S L38 AND L35  
L40            47 S L35 AND L33  
L41            11 S L17 AND L33  
L42            28516 S VITAMIN A  
L43            26 S L42 AND L33  
L44            24 S L43 NOT L41  
L45            38 S L24 AND L33  
L46            43 S L38 AND L33  
L47            76 S L37 AND L33  
L48            21 S L47 AND L46  
L49            370 S HYDROXY QUINOLINE  
L50            1 S L49 AND L33  
L51            113 S L24 AND L27  
L52            127 S L36 AND L27  
L53            82 S L35 AND L27  
L54            241 S L38 AND L27  
L55            224 S L37 AND L27

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	541.41	667.68
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-11.78	-11.78

STN INTERNATIONAL LOGOFF AT 16:46:01 ON 04 AUG 2003

AN 130:114824 CA  
TI Antimicrobial and antioxidant properties of some commercial essential oils  
AU Baratta, M. Tiziana; Dorman, H. J. Damien; Deans, Stanley G.; Figueiredo,  
A. Cristina; Barroso, Jose G.; Ruberto, Giuseppe  
CS Department of Biochemical Sciences, Scottish Agricultural College,  
Auchincruive, Ayr, KA6 5HW, UK  
SO Flavour and Fragrance Journal (1998), 13(4), 235-244  
CODEN: FFJOED; ISSN: 0882-5734  
PB John Wiley & Sons Ltd.  
DT Journal  
LA English  
CC 63-4 (Pharmaceuticals)  
Section cross-reference(s): 10, 62  
AB The essential oil compn. of *Cananga odorata*, *Boswellia thurifera*,  
*Cymbopogon citratus*, *Marjorana hortensis*, *Ocimum basilicum*, *Rosmarinus  
officinalis*, *Cinnamomum zeylanicum* and *Citrus limon* was analyzed by GC and  
GC-MS, and their antimicrobial and antioxidant activity tested.  
Twenty-five different genera of bacteria and one fungal species were used  
in this study as test organisms. These included animal and plant  
pathogens, food poisoning and spoilage bacteria and the spoilage  
**fungus** *Aspergillus niger*. The volatile oils exhibited  
considerable inhibitory effect against all the tested organisms. The oils  
also demonstrated antioxidant capacities, comparable with  
.alpha.-tocopherol and butylated hydroxytoluene (BHT). The method adopted  
in this study was the modified thiobarbituric acid reactive species  
(TBARS) assay. The antioxidant activity was carried out under different  
conditions by using egg yolk and rat liver in the absence and presence of  
the radical inducer 2,2'-azobis(2-amidinopropane) dihydrochloride (ABAP).  
ST essential oil antimicrobial antioxidant  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BOC (Biological  
occurrence); BSU (Biological study, unclassified); THU (Therapeutic use);  
BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(*Boswellia thurifera*; antimicrobial and antioxidant properties of com.  
essential oils)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BOC (Biological  
occurrence); BSU (Biological study, unclassified); THU (Therapeutic use);  
BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(*Cananga odorata*; antimicrobial and antioxidant properties of com.  
essential oils)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BOC (Biological  
occurrence); BSU (Biological study, unclassified); THU (Therapeutic use);  
BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(West Indian lemongrass; antimicrobial and antioxidant properties of  
com. essential oils)  
IT Antimicrobial agents  
Antioxidants  
(antimicrobial and antioxidant properties of com. essential oils)  
IT Terpenes, biological studies  
RL: BAC (Biological activity or effector, except adverse); BOC (Biological  
occurrence); BSU (Biological study, unclassified); THU (Therapeutic use);  
BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(antimicrobial and antioxidant properties of com. essential oils)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BOC (Biological  
occurrence); BSU (Biological study, unclassified); THU (Therapeutic use);  
BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(basil, *Ocimum basilicum*, *Ocimum basilicum*; antimicrobial and  
antioxidant properties of com. essential oils)  
IT Essential oils

RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(cinnamon; antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(lemon; antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(rosemary; antimicrobial and antioxidant properties of com. essential oils)

IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(sweet marjoram; antimicrobial and antioxidant properties of com. essential oils)

IT 76-22-2, Camphor .76-49-3, Bornyl acetate 78-70-6, Linalool 79-92-5, Camphene 80-26-2 80-56-8, .alpha.-Pinene 87-44-5, .beta.-Caryophyllene 89-48-5, Methyl acetate 89-78-1, Menthol 89-80-5, Menthone 93-15-2, Methyleugenol 93-28-7, Eugenyl acetate 93-58-3, Methyl benzoate 97-53-0, Eugenol 98-55-5, .alpha.-Terpineol 99-49-0, Carvone 99-83-2, .alpha.-Phellandrene 99-85-4, .gamma.-Terpinene 99-86-5, .alpha.-Terpinene 99-87-6, p-Cymene 104-53-0, Dihydrocinnamaldehyde 104-54-1, Cinnamyl alcohol 105-87-3, Geranyl acetate 106-23-0, Citronellal 106-24-1, Geraniol 106-25-2, Nerol 106-29-6, Geranyl butyrate 110-93-0, 6-Methylhept-5-en-2-one 115-95-7, Linalyl acetate 120-51-4, Benzyl benzoate 122-03-2, Cumin aldehyde 123-35-3, Myrcene 124-18-5, Decane 127-91-3, .beta.-Pinene 138-86-3, Limonene 140-11-4, Benzyl acetate 140-67-0, Estragole 141-27-5, Geranial 150-84-5, Citronellyl acetate 470-82-6, 1,8-Cineole 471-15-8, .beta.-Thujone 473-13-2, .alpha.-Selinene 481-34-5, .alpha.-Cadinol 483-76-1, .delta.-Cadinene 489-40-7, .alpha.-Gurjunene 491-07-6, Isomenthone 495-61-4, .beta.-Bisabolene 502-61-4, .alpha.-trans,trans-Farnesene 507-70-0, Borneol 508-32-7, Tricyclene 546-80-5, .alpha.-Thujone 547-60-4, trans-3-Pinanone 555-10-2, .beta.-Phellandrene 562-74-3, Terpinen-4-ol 586-62-9, Terpinolene 659-70-1, Isoamyl isovalerate 673-84-7, allo-Ocimene 1139-30-6, Caryophyllene epoxide 1195-79-5, Fenchone 1674-08-4, trans-Pinocarveol 1820-09-3, trans-Verbenol 1845-30-3, cis-Verbenol 2867-05-2, .alpha.-Thujene 3338-55-4, cis-.beta.-Ocimene 3387-41-5, Sabinene 3779-61-1, trans-.beta.-Ocimene 3856-25-5, .alpha.-Copaene 3879-60-5, trans,cis-Farnesol 4180-23-8, trans-Anethole 5208-59-3, .beta.-Bourbonene 5937-11-1 6750-60-3, Spathulenol 6753-98-6, .alpha.-Humulene 7299-42-5, .delta.-Terpineol 10208-80-7, .alpha.-Muurolene 13466-78-9, .DELTA.3-Carene 13474-59-4, trans-.alpha.-Bergamotene 13744-15-5, .beta.-Cubebene 14371-10-9, trans-Cinnamaldehyde 14575-74-7, .alpha.-Fenchol 14912-44-8, .alpha.-Ylangene 15537-55-0, cis-Sabinene hydrate 17066-67-0, .beta.-Selinene 17699-14-8, .alpha.-Cubebene 17699-16-0, trans-Sabinene hydrate 18309-32-5, Verbenone 18479-51-1, Dihydrolinalool 18794-84-8, trans-.beta.-Farnesene 19435-97-3, .delta.-Cadinol 19912-62-0 21040-45-9, trans-Cinnamyl acetate 21284-22-0, Cubenol 23986-74-5, Germacrene D 24406-05-1, .alpha.-Cadinene 24703-35-3, Bicyclogermacrene 25246-27-9, allo-Aromadendrene 26897-24-5, Benzene, methoxy(methyl)- 27576-03-0,

Dimethylstyrene 28973-97-9, cis-.beta.-Farnesene 28976-67-2,  
.beta.-Curcumene 29803-82-5, trans-p-Menth-2-en-1-ol 30021-74-0,  
.gamma.-Muurolene 33880-83-0, .beta.-Elemene 39029-41-9,  
.gamma.-Cadinene 40716-66-3, trans-Nerolidol 57194-69-1,  
cis-Cinnamaldehyde  
RL: BAC (Biological activity or effector, except adverse); BOC (Biological occurrence); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); USES (Uses)  
(antimicrobial and antioxidant properties of com. essential oils)

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD

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AN 101:20459 CA  
TI Sensitivity of yeasts and filamentous fungi towards antifungals.  
Comparative in vitro studies  
AU Guglielminetti, M.; Crema, F.  
CS Ist. Micol. Med. "R. Ciferri and P. Redaelli", Univ. Pavia, Italy  
SO Farmaco, Edizione Pratica (1984), 39(5), 139-47  
CODEN: FRPPAO; ISSN: 0430-0912  
DT Journal  
LA Italian  
CC 10-5 (Microbial Biochemistry)  
Section cross-reference(s): 5  
AB The sensitivity of 69 strains of filamentous fungi (*Aspergillus fumigatus*, *A. flavus*, *A. glaucus*, *A. candidus*, *Penicillium*, *Rhizopus stolonifer*, etc.) and of 103 yeast strains (*Candida albicans*, *C. krusei*, *C. stellatoidea*, etc.) isolated from humans, was tested in vitro against 5-fluorocytosine, nystatin, amphotericin B, ketoconazole, miconazole, clotrimazole, econazole, tioconazole, and griseofulvin. Of the fungal strains, 35% were sensitive to 5-fluorocytosine and nystatin, and 95% to econazole. Of the *Candida* strains, 82% were sensitive to 5-fluorocytosine and clotrimazole.  
ST yeast **fungus** fungicide antibiotic; *Aspergillus* fungicide antibiotic; *Candida* fungicide antibiotic  
IT *Aspergillus candidus*  
*Aspergillus clavatus*  
*Aspergillus flavus*  
*Aspergillus fumigatus*  
*Aspergillus glaucus*  
*Aspergillus nidulans*  
*Aspergillus niger*  
*Aspergillus ochraceus*  
*Aspergillus sydowii*  
*Aspergillus versicolor*  
*Candida*  
*Candida albicans*  
*Candida glaebosa*  
*Candida intermedia*  
*Candida krusei*  
*Candida langeronii*  
*Candida maritima*  
*Candida stellatoidea*  
*Chaetomium globosum*  
*Epicoccum purpurascens*  
*Eupenicillium*  
*Geotrichum candidum*  
*Humicola lanuginosa*  
*Microsporum canis*  
*Microsporum gypseum*  
*Mucor pusillus*  
*Penicillium*  
*Rhizopus stolonifer*  
*Rhodotorula glutinis*  
*Rhodotorula rubra*  
*Saccharomyces cerevisiae*  
*Trichoderma viride*  
*Trichophyton mentagrophytes*  
*Trichophyton rubrum*  
    (antibiotics and fungicides effect on strains of, sensitivity in relation to)  
IT Antibiotics  
Fungicides and Fungistats  
    (fungi and yeast response to, sensitivity in relation to)  
IT 126-07-8 1397-89-3 1400-61-9 2022-85-7 22916-47-8

**23593-75-1 27220-47-9 65277-42-1 65899-73-2**  
RL: BIOL (Biological study)  
(fungi and yeast sensitivity to)

=>

AN 100:99438 CA  
TI Relative inhibition factors - a novel approach to the assessment of antifungal antibiotics in vitro  
AU Odds, F. C.; Abbott, A. B.  
CS Dep. Microbiol., Univ. Leicester, Leicester, LE1 7RH, UK  
SO Journal of Antimicrobial Chemotherapy (1984), 13(1), 31-43  
CODEN: JACHDX; ISSN: 0305-7453  
DT Journal  
LA English  
CC 9-10 (Biochemical Methods)  
Section cross-reference(s): 10  
AB A system is described for measurement of relative inhibition factors (RIFs) for antifungal agents, i.e., the area under a fixed portion of the antifungal dose-response curve, expressed as a percentage of the area under the dose-response curve for a theor. noninhibitory substance. The RIFs for the 2 polyenes 5-fluorocytosine (5FC) and griseofulvin correlated with the known inhibitory activity of these compds. against pathogenic yeasts, *Aspergillus* species, and dermatophytes in vitro and in vivo but revealed wholly new relative inhibitory properties among 5 imidazole antifungals: ketoconazole and tioconazole emerged as the most active imidazole antifungals against yeasts and clotrimazole and econazole against *Aspergillus* species. Because of the high reproducibility of the assay and because tests were done in a tissue culture medium in the presence of serum, it is considered that measurement of RIFs could give better predictions of likely antifungal activity in vivo than is at present afforded by tests for minimal inhibitory concns.  
ST fungicide fungi yeast sensitivity test; antibiotic **fungus**  
sensitivity test  
IT *Aspergillus flavus*  
*Aspergillus fumigatus*  
*Candida albicans*  
*Candida glabrata*  
*Candida guilliermondii*  
*Candida krusei*  
*Candida parapsilosis*  
*Candida pseudotropicalis*  
*Candida tropicalis*  
*Cryptococcus neoformans*  
*Microsporum canis*  
*Trichophyton mentagrophytes*  
*Trichophyton rubrum*  
Yeast  
(antibiotic sensitivity of, relative inhibition factors for assessment of)  
IT Fungicides and Fungistats  
(relative inhibition factors for assessment of)  
IT Fungi  
(skin-infecting, antibiotic sensitivity of, relative inhibition factors for assessment of)  
IT 126-07-8 1397-89-3 1400-61-9 2022-85-7 22916-47-8  
**23593-75-1** 27220-47-9 **65277-42-1** 65899-73-2  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(antifungal activity of, relative inhibition factors for assessment of)

=>

AN 101:20459 CA  
TI Sensitivity of yeasts and filamentous fungi towards antifungals.  
Comparative in vitro studies  
AU Guglielminetti, M.; Crema, F.  
CS Ist. Microl. Med. "R. Ciferri and P. Redaelli", Univ. Pavia, Italy  
SO Farmaco, Edizione Pratica (1984), 39(5), 139-47  
CODEN: FRPPAO; ISSN: 0430-0912  
DT Journal  
LA Italian  
CC 10-5 (Microbial Biochemistry)  
Section cross-reference(s): 5  
AB The sensitivity of 69 strains of filamentous fungi (*Aspergillus fumigatus*, *A. flavus*, *A. glaucus*, *A. candidus*, *Penicillium*, *Rhizopus stolonifer*, etc.) and of 103 yeast strains (*Candida albicans*, *C. krusei*, *C. stellatoidea*, etc.) isolated from humans, was tested in vitro against 5-fluorocytosine, nystatin, amphotericin B, ketoconazole, miconazole, clotrimazole, econazole, tioconazole, and griseofulvin. Of the fungal strains, 35% were sensitive to 5-fluorocytosine and nystatin, and 95% to econazole. Of the *Candida* strains, 82% were sensitive to 5-fluorocytosine and clotrimazole.  
ST yeast fungus fungicide antibiotic; *Aspergillus* fungicide antibiotic; *Candida* fungicide antibiotic  
IT *Aspergillus candidus*  
*Aspergillus clavatus*  
*Aspergillus flavus*  
*Aspergillus fumigatus*  
*Aspergillus glaucus*  
*Aspergillus nidulans*  
*Aspergillus niger*  
*Aspergillus ochraceus*  
*Aspergillus sydowii*  
*Aspergillus versicolor*  
*Candida*  
*Candida albicans*  
*Candida glaebosa*  
*Candida intermedia*  
*Candida krusei*  
*Candida langeronii*  
*Candida maritima*  
*Candida stellatoidea*  
*Chaetomium globosum*  
*Epicoccum purpurascens*  
*Eupenicillium*  
*Geotrichum candidum*  
*Humicola lanuginosa*  
*Microsporum canis*  
*Microsporum gypseum*  
*Mucor pusillus*  
*Penicillium*  
*Rhizopus stolonifer*  
*Rhodotorula glutinis*  
*Rhodotorula rubra*  
*Saccharomyces cerevisiae*  
*Trichoderma viride*  
*Trichophyton mentagrophytes*  
*Trichophyton rubrum*  
    (antibiotics and fungicides effect on strains of, sensitivity in relation to)  
IT Antibiotics  
Fungicides and Fungistats  
    (fungi and yeast response to, sensitivity in relation to)  
IT 126-07-8 1397-89-3 1400-61-9 2022-85-7 22916-47-8

**23593-75-1**   **27220-47-9**   **65277-42-1**   **65899-73-2**  
RL: BIOL (Biological study)  
(fungi and yeast sensitivity to)

=>

AN 123:52084 CA  
TI Antifungal properties of essential oils and their main components upon  
Cryptococcus neoformans  
AU Viillon, Catherine; Chaumont, Jean-Pierre  
CS Laboratory Botany, Faculty Medicine and Pharmacy, Besancon, Fr.  
SO Mycopathologia (1994), 128(3), 151-3  
CODEN: MYCPAH; ISSN: 0301-486X  
DT Journal  
LA English  
CC 10-5 (Microbial, Algal, and Fungal Biochemistry)  
AB Cryptococcus neoformans opportunistic **fungus** present in the last  
phases of AIDS is inhibited *in vitro* by several essential oils on natural  
volatile compds. The minimal inhibitory concn. may reach 100 .mu.1/L and  
the minimal fungicidal concn. 200 .mu.1/l with palmarosa or cinnamon oil.  
Among phenolic compds., thymol and carvacrol were the most fungitoxic.  
Terpenoids, citral, geraniol, and citronellol showed the best activities.  
ST antifungal essential oil Cryptococcus; phenol essential oil antifungal  
Cryptococcus; terpenoid essential oil antifungal Cryptococcus  
IT Cryptococcus neoformans  
Fungicides and Fungistats  
(antifungal properties of essential oils and their main components on  
Cryptococcus neoformans)  
IT Phenols, biological studies  
Terpenes and Terpenoids, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES  
(Uses)  
(antifungal properties of essential oils and their main components on  
Cryptococcus neoformans)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES  
(Uses)  
(cajeput, leaf; antifungal properties of essential oils and their main  
components on Cryptococcus neoformans)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES  
(Uses)  
(tea, leaf; antifungal properties of essential oils and their main  
components on Cryptococcus neoformans)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES  
(Uses)  
(cinnamon, bark; antifungal properties of essential oils and their main  
components on Cryptococcus neoformans)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES  
(Uses)  
(clove, bud; antifungal properties of essential oils and their main  
components on Cryptococcus neoformans)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES  
(Uses)  
(cumin, fruit; antifungal properties of essential oils and their main  
components on Cryptococcus neoformans)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES

- (Uses)  
(geranium, leaf; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)
- IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(lavender, flower; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)
- IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(marjoram, flower; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)
- IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(mint, *Mentha*, leaf; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)
- IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(origanum, flower; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)
- IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(palmarosa, antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)
- IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(sage, *Salvia officinalis*, leaf; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)
- IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(sandalwood, antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)
- IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(sassafras, root; antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)
- IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(savory, antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)
- IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(thyme, *Thymus vulgaris*, antifungal properties of essential oils and

their main components on *Cryptococcus neoformans*)  
IT Essential oils  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(vetiver, antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)  
IT 78-70-6 79-77-6, .beta.-Ionone 89-80-5, Menthone 89-83-8, Thymol 97-53-0, Eugenol 99-49-0, Carvone 106-22-9, Citronellol 106-24-1, Geraniol 106-25-2, Nerol 488-10-8, cis-Jasmone 499-75-2; Carvacrol 4602-84-0, Farnesol 5392-40-5, Citral 11031-45-1, Santalol 68129-81-7, Vetiverol  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(antifungal properties of essential oils and their main components on *Cryptococcus neoformans*)

=>

AN 81:145848 CA  
TI Antimycotic properties of clotrimazole  
AU Plempel, M.; Bartmann, K.; Buechel, K. H.; Regel, E.  
CS Bayer Res. Lab., Wuppertal-Elberfeld, Fed. Rep. Ger.  
SO Postgraduate Medical Journal, Supplement (1974), 50(1), 11-12  
CODEN: PMESAJ; ISSN: 0370-0593  
DT Journal  
LA English  
CC 1-5 (Pharmacodynamics)  
Section cross-reference(s): 3  
AB Clotrimazole [23593-75-1] was fungistatic to a broad spectrum of pathogenic fungi *in vitro*, and fungicidal effects were obsd. at concns. in excess of 10-20 .mu.g/ml. In animal models, locally and orally administered clotrimazole was effective against dermatomycoses, candidiasis and sporotrichosis. The min. inhibiting concns. of clotrimazole *in vitro* depended on the size of the inoculum, and increased with increasing incubation time. For dermatophytes, molds, and budding fungi, secondary development of resistance to clotrimazole was either very slow or did not occur at all.  
ST clotrimazole antimycotic; **fungus** infection clotrimazole  
IT Fungi  
    (clotrimazole sensitivity of)  
IT Mycosis  
    (dermato-, clotrimazole treatment of)  
IT Candida  
IT Sporotrichum  
    (infection with, clotrimazole treatment of)  
IT **23593-75-1**  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
    (antifungal activity of)

=>

AN 102:154827 CA  
TI Antibiotic composition for veterinary use  
IN Speecke, Andre  
PA S.S.M. International Chemical Co. Ltd., St. Vincent  
SO PCT Int. Appl., 8 pp.  
CODEN: PIXXD2

DT Patent

LA French

IC A61K037-02; A61K031-65

ICI A61K037-02, A61K031-65, A61K031-43

CC 63-6 (Pharmaceuticals)

Section cross-reference(s): 17

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8404249	A2	19841108	WO 1984-BE12	19840502
	WO 8404249	A3	19850314		
	W: DK, JP, US				
	RW: AT, BE, CH, DE, FR, GB, LU, NL, SE				
	ZA 8403277	A	19841224	ZA 1984-3277	19840502
	EP 150186	A1	19850807	EP 1984-901729	19840502
	R: AT, BE, CH, DE, FR, GB, LI, LU, NL, SE				
	CA 1221635	A1	19870512	CA 1984-453413	19840502
	JP 01500746	T2	19890316	JP 1984-501885	19840502
	DK 8500035	A	19850103	DK 1985-35	19850103
PRAI	LU 1983-84786		19830503		
	WO 1984-BE12		19840502		
AB	An antibiotic compn. comprising oxytetracycline-HCl [2058-46-0], procaine benzylpenicillin [6130-64-9], and colistin sulfate [1264-72-8] has a combined synergistic activity against mycosis caused by <b>fungus</b> , pneumonia, necrosis and peritonitis. Thus, a compn. contained oxytetracycline-HCl 926, procaine benzylpenicillin 24,000, and colistine sulfate 10-100 mg and Povidone, a constituent of the solvent and water to 1 mL. This was then mixed with a compn. prep'd. from Mg formaldehyde bisulfite 7, MgO 7, Me p-hydroxybenzoate 0.68, <b>vitamin A</b> 3.5, and Pr p-hydroxybenzoate 0.12 mg and diluents CM-cellulose and Povidone dissolved in 12 mg propylene glycol.				
ST	antibiotic pharmaceutical veterinary; mycosis antibiotic veterinary; peritonitis antibiotic veterinary; necrosis antibiotic veterinary; pneumonia antibiotic veterinary				
IT	Fungicides and Fungistats (synergistic antibiotic compns., for veterinary use)				
IT	Antibiotics (synergistic veterinary compns.)				
IT	Necrosis Pneumonia (treatment of, with synergistic veterinary antibiotic compns.)				
IT	Peritoneum (disease, peritonitis, treatment of, with synergistic veterinary antibiotic compns.)				
IT	1264-72-8 2058-46-0 6130-64-9 RL: BIOL (Biological study) (synergistic antibiotic pharmaceuticals contg., for veterinary use)				

AN 113:112327 CA  
TI Antibacterial and antifungal properties of essential oil components  
AU Knobloch, Karl; Pauli, Alexander; Iberl, Bernard; Weigand, Hildegunde;  
Weis, Norbert  
CS Inst. Bot. Pharm. Biol. Aromagarten, Univ. Erlangen-Nurnberg, Erlangen,  
D-8520, Fed. Rep. Ger.  
SO Journal of Essential Oil Research (1989), 1(3), 119-28  
CODEN: JEOREG; ISSN: 1041-2905  
DT Journal  
LA English  
CC 10-5 (Microbial Biochemistry)  
Section cross-reference(s): 11, 62  
AB The solv. in water of essential oil constituents is directly related to their ability to penetrate the cell walls of a bacterium or **fungus**. The antimicrobial activity of essential oils is due to their solv. in the phospholipid bilayer of cell membranes. Terpenoids which are characterized by their lability have been found to interfere with the enzymic reactions of energy metab.  
ST essential oil solv antimicrobial; bactericide essential oil solv;  
fungicide essential oil solv  
IT Oils, essential  
RL: BIOL (Biological study)  
(bactericidal and fungicidal activity of components of, solv. effect on)  
IT Terpenes and Terpenoids, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(bactericidal and fungicidal activity of, solv. effect on)  
IT Solubility  
(of essential oil components, bactericidal and fungicidal activities in relation to)  
IT Terpenes and Terpenoids, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(aldehydes, bactericidal and fungicidal activity of, solv. effect on)  
IT Microbicidal and microbiostatic action  
(bactericidal, of essential oil components, solv. effect on)  
IT Terpenes and Terpenoids, compounds  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(esters, bactericidal and fungicidal activity of, solv. effect on)  
IT Microbicidal and microbiostatic action  
(fungicidal, of essential oil components, solv. effect on)  
IT Terpenes and Terpenoids, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(hydroxy, bactericidal and fungicidal activity of, solv. effect on)  
IT Terpenes and Terpenoids, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(oxo, bactericidal and fungicidal activity of, solv. effect on)  
IT Biological transport  
(permeation, of microbial cell walls, by essential components)  
IT Aldehydes, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(terpenoid, bactericidal and fungicidal activity of, solv. effect on)  
IT 76-22-2, Camphor 76-49-3, Bornyl acetate 78-70-6, Linalool 80-56-8,  
.alpha.-Pinene 87-44-5 89-78-1, Menthol 89-80-5, Menthone 89-81-6,  
Piperitone 89-82-7, Pulegone 89-83-8 93-15-2, Methyl eugenol  
97-53-0, Eugenol 99-48-9, Carveol 99-49-0, Carvone 99-85-4,  
.gamma.-Terpinene 99-87-6, p-Cymene 104-55-2, Cinnamaldehyde

106-22-9 106-23-0 106-24-1 106-25-2, Nerol 115-95-7, Linalyl  
acetate 120-57-0, Piperonal 121-33-5 127-91-3, .beta.-Pinene  
138-86-3, Limonene 140-67-0, Methyl chavicol 470-82-6, 1,8-Cineole  
499-75-2, Carvacrol 507-70-0, Borneol 4180-23-8, trans-Anethole  
**4602-84-0**, Farnesol 5392-40-5, Citral 29714-87-2, Ocimene  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); BIOL (Biological study)  
(bactericidal and fungicidal activity of, solv. effect on)

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AN 113:112327 CA  
TI Antibacterial and antifungal properties of essential oil components  
AU Knobloch, Karl; Pauli, Alexander; Iberl, Bernard; Weigand, Hildegunde;  
Weis, Norbert  
CS Inst. Bot. Pharm. Biol. Aromagarten, Univ. Erlangen-Nurnberg, Erlangen,  
D-8520, Fed. Rep. Ger.  
SO Journal of Essential Oil Research (1989), 1(3), 119-28  
CODEN: JEOREG; ISSN: 1041-2905  
DT Journal  
LA English  
CC 10-5 (Microbial Biochemistry)  
Section cross-reference(s): 11, 62  
AB The solv. in water of essential oil constituents is directly related to their ability to penetrate the cell walls of a bacterium or fungus. The antimicrobial activity of essential oils is due to their solv. in the phospholipid bilayer of cell membranes. Terpenoids which are characterized by their lability have been found to interfere with the enzymic reactions of energy metab.  
ST essential oil solv antimicrobial; bactericide essential oil solv;  
fungicide essential oil solv  
IT Oils, essential  
RL: BIOL (Biological study)  
(bactericidal and fungicidal activity of components of, solv. effect on)  
IT Terpenes and Terpenoids, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(bactericidal and fungicidal activity of, solv. effect on)  
IT Solubility  
(of essential oil components, bactericidal and fungicidal activities in relation to)  
IT Terpenes and Terpenoids, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(aldehydes, bactericidal and fungicidal activity of, solv. effect on)  
IT Microbicidal and microbiostatic action  
(bactericidal, of essential oil components, solv. effect on)  
IT Terpenes and Terpenoids, compounds  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(esters, bactericidal and fungicidal activity of, solv. effect on)  
IT Microbicidal and microbiostatic action  
(fungicidal, of essential oil components, solv. effect on)  
IT Terpenes and Terpenoids, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(hydroxy, bactericidal and fungicidal activity of, solv. effect on)  
IT Terpenes and Terpenoids, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(oxo, bactericidal and fungicidal activity of, solv. effect on)  
IT Biological transport  
(permeation, of microbial cell walls, by essential components)  
IT Aldehydes, biological studies  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)  
(terpenoid, bactericidal and fungicidal activity of, solv. effect on)  
IT 76-22-2, Camphor 76-49-3, Bornyl acetate 78-70-6, Linalool 80-56-8,  
.alpha.-Pinene 87-44-5 89-78-1, Menthol 89-80-5, Menthone 89-81-6,  
Piperitone 89-82-7, Pulegone 89-83-8 93-15-2, Methyl eugenol  
97-53-0, Eugenol 99-48-9, Carveol 99-49-0, Carvone 99-85-4,  
.gamma.-Terpinene 99-87-6, p-Cymene 104-55-2, Cinnamaldehyde

106-22-9 106-23-0 106-24-1 106-25-2, Nerol 115-95-7, Linalyl  
acetate 120-57-0, Piperonal 121-33-5 127-91-3, .beta.-Pinene  
138-86-3, Limonene 140-67-0, Methyl chavicol 470-82-6, 1,8-Cineole  
499-75-2, Carvacrol 507-70-0, Borneol 4180-23-8, trans-Anethole  
**4602-84-0**, Farnesol 5392-40-5, Citral 29714-87-2, Ocimene  
RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
study, unclassified); BIOL (Biological study)  
(bactericidal and fungicidal activity of, solv. effect on)

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N 120:321664 CA  
TI Antimycotic effect of cardamom essential oil components on toxigenic molds  
AU Badei, A.Z.M.  
CS Fac. Agric., Cairo Univ., Giza, Egypt  
SO Egyptian Journal of Food Science (1992), 20(3), 441-52  
CODEN: EJFSAI; ISSN: 0301-8571  
DT Journal  
LA English  
CC 17-5 (Food and Feed Chemistry)  
AB The inhibitory effect of cardamom (*Elettaria cardamomum*) essential oil and its major chem. components (1,8-cineol, .alpha.-terpinyl acetate, DL-limonene, and linalool) on the growth of 7 toxigenic mold strains (*Aspergillus flavus*, *A. parasiticus*, *A. achraceus*, *Penicillium* species, *P. roquefortii*, *P. patulum*, and *P. citrinum*) and aflatoxins produced by *A. parasiticus* (aflatoxins B1, B2, G1, and G2) was obsd. Twenty five compds. were sepd. from the essential oil; .alpha.-terpinyl acetate had the strongest antifungal effect.  
ST cardamom essential oil fungi aflatoxin inhibition  
IT Aflatoxins  
RL: BIOL (Biological study)  
(inhibition of prodn. by toxigenic molds of, by cardamom essential oil and its chem. components)  
IT Aspergillus achraceus  
Aspergillus flavus  
Aspergillus parasiticus  
Mold (fungus)  
Penicillium  
Penicillium citrinum  
Penicillium patulum  
Penicillium roquefortii  
5/1/92  
(inhibition of, by cardamom essential oil and its chem. components)  
IT Essential oils  
RL: BIOL (Biological study)  
(cardamom, toxigenic mold growth and aflatoxin formation inhibition by, and its chem. components)  
IT 1162-65-8, Aflatoxin B1 1165-39-5, Aflatoxin G1 7220-81-7, Aflatoxin B2 7241-98-7, Aflatoxin G2  
RL: OCCU (Occurrence)  
(inhibition of prodn. by *Aspergillus parasiticus* of, by cardamom essential oil and its chem. components)  
IT 79-92-5P, Camphene 80-56-8P, .alpha.-Pinene 87-44-5P, Caryophyllene 99-83-2P, .alpha.-Phellandrene 99-84-3P, Cyclohexene, 4-Methylene-1-(1-methylethyl)- 99-85-4P, .gamma.-Terpinene 99-87-6P, p-Cymene 106-22-9P, Citronellol 106-24-1P, Geraniol 106-25-2P, Nerol 115-95-7P, Linalyl acetate 123-35-3P, Myrcene 127-91-3P, .beta.-Pinene 138-87-4P, .beta.-Terpineol 141-12-8P, Neryl acetate 142-50-7P, Nerolidol 555-10-2P, .beta.-Phellandrene 586-62-9P, Terpinolene 586-82-3P, Terpinen-1-ol 3387-41-5P, Sabinene 4602-84-0P, Farnesol 5392-40-5P, Citral 5989-27-5P, d-Limonene 13466-78-9P,  
.DELTA.3-Carene  
RL: PREP (Preparation)  
(of cardamom essential oil, inhibition of growth and aflatoxins prodn. by toxigenic molds in relation to)  
IT 78-70-6P, Linalool 80-26-2P, .alpha.-Terpinyl acetate 138-86-3P, DL-Limonene 470-82-6P, 1,8-Cineol  
RL: PREP (Preparation)  
(of cardamom essential oil, inhibition of growth of and aflatoxins prodn. by *Aspergillus parasiticus* with)

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FILE 'REGISTRY' ENTERED AT 15:32:03 ON 04 AUG 2003

L1        75 S FARNE SOL *L24*  
L2        1 S HEXANOYL SPHINGOSINE  
L3        0 S OLEOYL BETAINE  
L4        55 S URSOLIC ACID  
L5        165 S IONONE  
L6        0 S UTRECT-2  
L7        1 S UTRECHT 2  
L8        5 S BIFONAZOLE  
L9        6 S CLOTRIMAZOLE  
L10      5 S KETOCONAZOLE  
L11      15 S MICONAZOLE  
L12      0 S DAIZEDEIN  
*— L13      51 S DAIDZEIN* *>*  
*— L14      75 S GENISTEIN* *>*  
L15      0 S PHYTOESTRAGEN  
            E PHYTOESTROGEN  
L16      3 S E3

FILE 'CA' ENTERED AT 15:42:33 ON 04 AUG 2003

L17      10486 S RETINOL  
L18      0 S GLUTAMASE TRANSAMINASE  
L19      189 S GLUTAMATE TRANSAMINASE  
L20      0 S L19 AND L17  
L21      19649 S TRANSAMINASE  
L22      24 S L21 AND L17  
            E DERMAL  
L23      11755 S E3-E11

*240 61<sup>10</sup> 18 (19)  
(44-46) 14 13 (10) 6 (3)  
L45 (21) (29) 17 16 (9)*

*L46 40 37*

*10/184,068*